

BUHL SONS & CO.'S

CATALOGUE OF

DOOR, CABINET AND TRUNK

 **LOCKS** 

KNOBS, ESCUTCHEONS, KEYS,

PADLOCKS,

BRASS, BRONZE METAL

AND BRONZED IRON

BUILDERS' HARDWARE.

DETROIT, MICHIGAN.

1884.

PREFACE.

IN presenting to the trade our 1884 Catalogue of Locks, Knobs, Escutcheons, Keys and Builders' Hardware, we desire to return to you our grateful acknowledgments for the patronage so liberally extended to us in the past, and will endeavor to merit its continuance by strict attention to the wants of our customers.

We desire to call to your notice the fact that we also carry a large and well-assorted stock of Heavy and Shelf Hardware, Tin Ware, Granite Ware, Guns, Revolvers and Sporting Goods.

We manufacture at our mills at Sharon, Penn., a superior quality of Nails, Bar and Sheet-Iron, and should be pleased to quote you prices at any time.

BUHL SONS & CO.

Detroit, Mich., 1884.

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Description of Different Styles of Finish
—OF—
BUILDERS' HARDWARE.



We desire to call attention to the following description of finish of Genuine Bronze Metal and Bronzed Iron Hardware:

- No. 1. Light Bronze Metal.
- No. 2. Dark Bronze Metal.
- No. 3. Bronze Metal, with dark background, the raised surface showing the bright metal.
- No. 5. Bronze Metal, Nickel Plated, raised surface.
- No. 6. Bronze Metal, Nickel and Gold.
- No. 8. Bronzed Iron, Copper Color.
- No. 10. Bronzed Iron, with dark background and polished Bronze surface.
- No. 13. Berlin Bronzed Iron, with dark background and polished surface.
- No. 15. Tuscan Bronzed Iron, same as No. 13 Finish, but not having the ground surfaces.

 In ordering, be sure and give the number of the finish of the Bronze Metal Goods, as well as of the article. If the number of the finish is not given, we will always send No. 3 Finish, which we consider the most serviceable.

Prices of Nos. 1, 2 and 3 Finishes are the same.

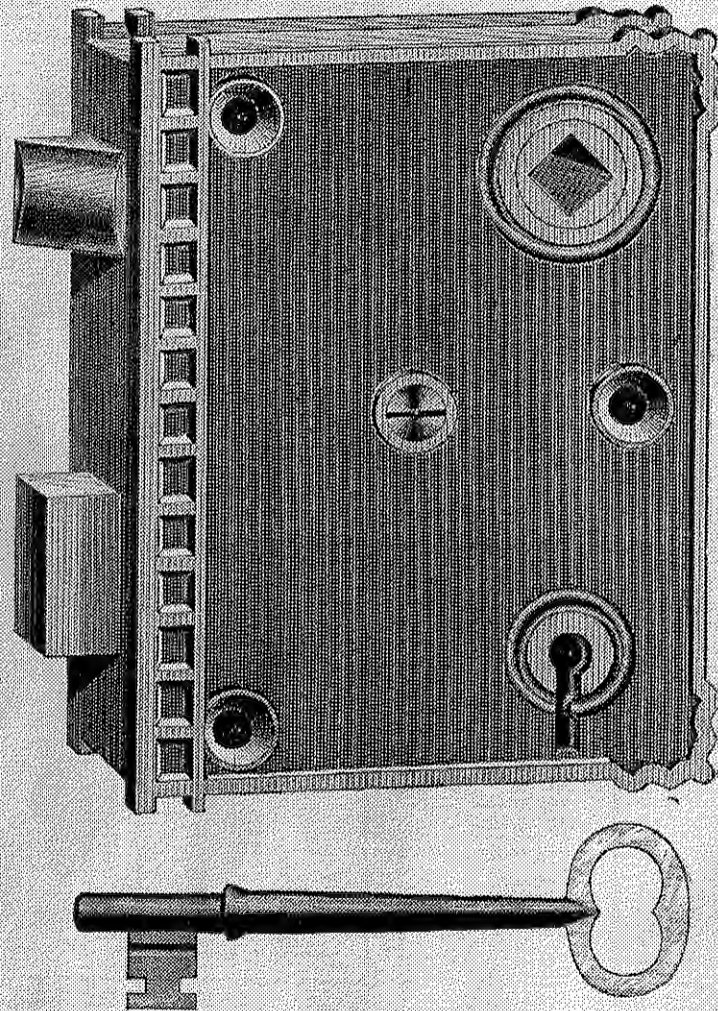
Prices of Nos. 5, 6 and 8 Finishes furnished on application.

Locks with Bevel Fronts furnished without Additional Expense.

10A

BUHL SONS & CO., DETROIT.

UPRIGHT RIM KNOB LOCKS. WITH STOPS.



REVERSIBLE LATCH BOLTS.

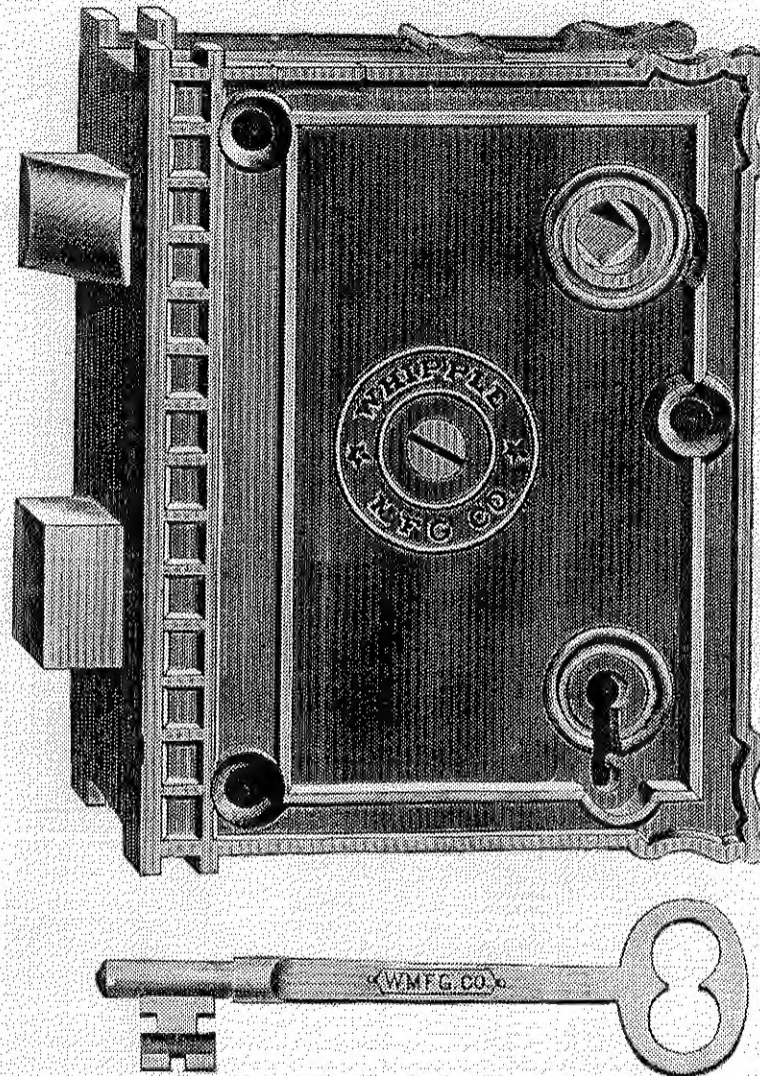
For either Right or Left Hand.

To Reverse the Latch, Remove the Cap.

NO.		PER DOZ.
1398.	4 x 3 inch, Iron Bolts, Bronzed Iron Key, STOP ON LATCH, 12 Changes.....	\$4 10

ONE-HALF DOZEN IN A BOX. TWENTY DOZEN IN A CASE

UPRIGHT RIM KNOB LOCKS.



REVERSIBLE LATCH BOLTS.

For either Right or Left Hand.

To Reverse the Latch, Remove the Cap.

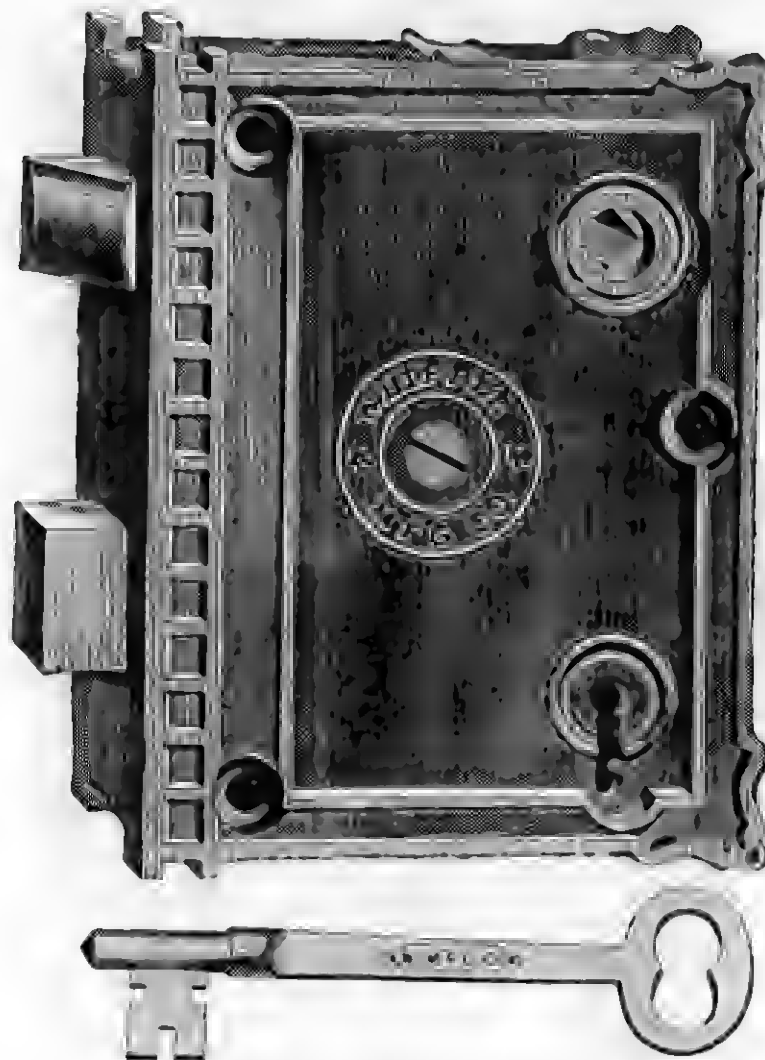
No.		PER DOZ.
1425.	4 1/2 x 3 1/4 inch, Iron Bolts, TINNED Malleable Iron Key, Stop on Latch, 12 Changes,	\$3 65
1426.	4 1/2 x 3 1/4 inch, Iron Bolts, NICKLED Steel Key, Stop on Latch, 12 Changes.....	5 15

Keys for No. 1425 Locks are Class No. 143.

Keys for No. 1426 Locks are Class No. 144

ONE-HALF DOZEN IN A BOX.

UPRIGHT RIM KNOB LOCKS.



REVERSIBLE LATCH BOLTS.

For either Right or Left Hand.

To reverse, draw Slide at top of Lock, remove Latch, turn it over —
— replace, pushing them to place —

- 1431 2 3/4 inch, Iron Bolts, Nickeled Steel Key, Stop on Latch, 12 Changes —
 1432 3 1/4 inch, same as No. 1431, with Two Keys. .
 1433 4 1/4 inch, Brass Bolts, Nickeled Steel Key, Stop on Latch, 12 Changes. . .

Keys for these Locks are Chis. No. 144

ONE DOLLAR IN A BOX

UPRIGHT RIM KNOB LOCKS.



REVERSIBLE LATCH BOLTS.

For either Right or Left Hand.

At top of Lock, remove Latch, turn it over and

1420,	1 1/2 x 1/2	inch, Three Iron Bolts, Flat Tinned Malleable Iron Key, 12 Changes.	0 1
1420 1/2	1 1/2 x 1/2	inch, Same as 1420, with Two Keys	10 70
1421	1 1/2 x 1/2	inch, Three Iron Bolts, NICKELLED STEEL KEY, 12 Changes.....	8 45

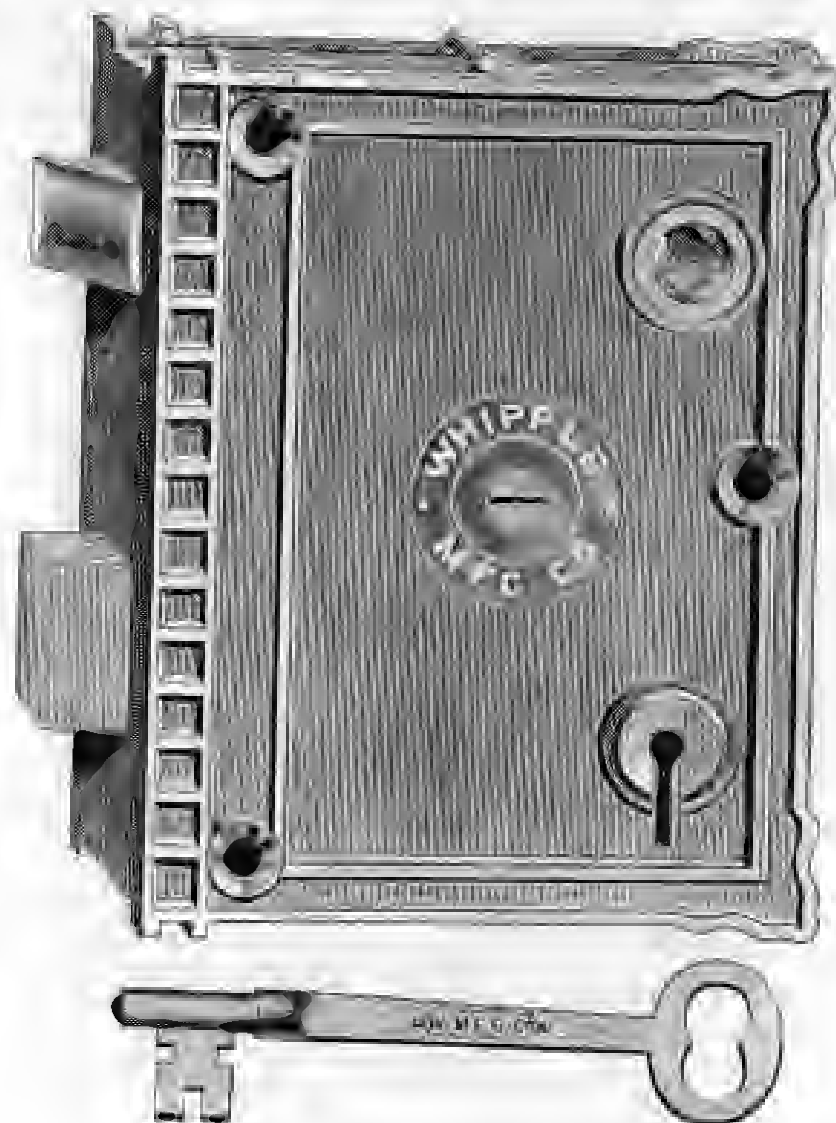
Keys for No. 1420 and 1420a

Keys for No. 1121 locks are ()

ONLY HALF DOZEN IN A BOX.

BULL, SONS & CO., DETROIT.

UPRIGHT RIM KNOB LOCKS.



REVERSIBLE LATCH BOLTS.

For either Right or Left Hand.

To reverse the lock, remove the Latch, turn it over and replace, inserting into the hole.

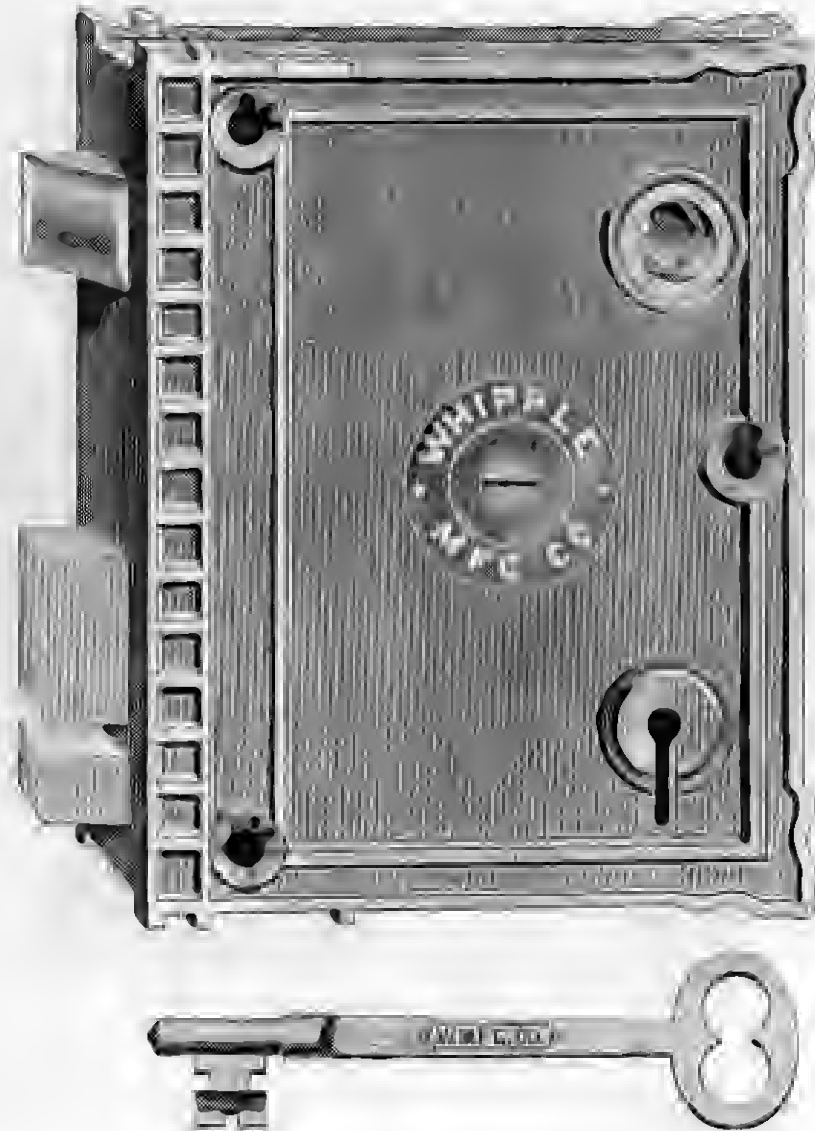
1470.	3 1/2 x 4 1/2 inch Lock Body, Turned Maltese Iron Key, Stop on Latch, One Tumbler.	ONE DOLLAR
1477.	4 1/2 x 4 1/2 inch Lock Body, Turned Steel Key, Stop on Latch, One Tumbler.	\$ 1.00

Keys for No. 1435 Lock are also No. 1437.

Keys for No. 1437 Lock are also No. 1435.

ONE HALF DOZEN IN A BOX.

UPRIGHT RIM KNOB LOCKS.



REVERSIBLE LATCH BOLTS.

For either Right or Left Hand.

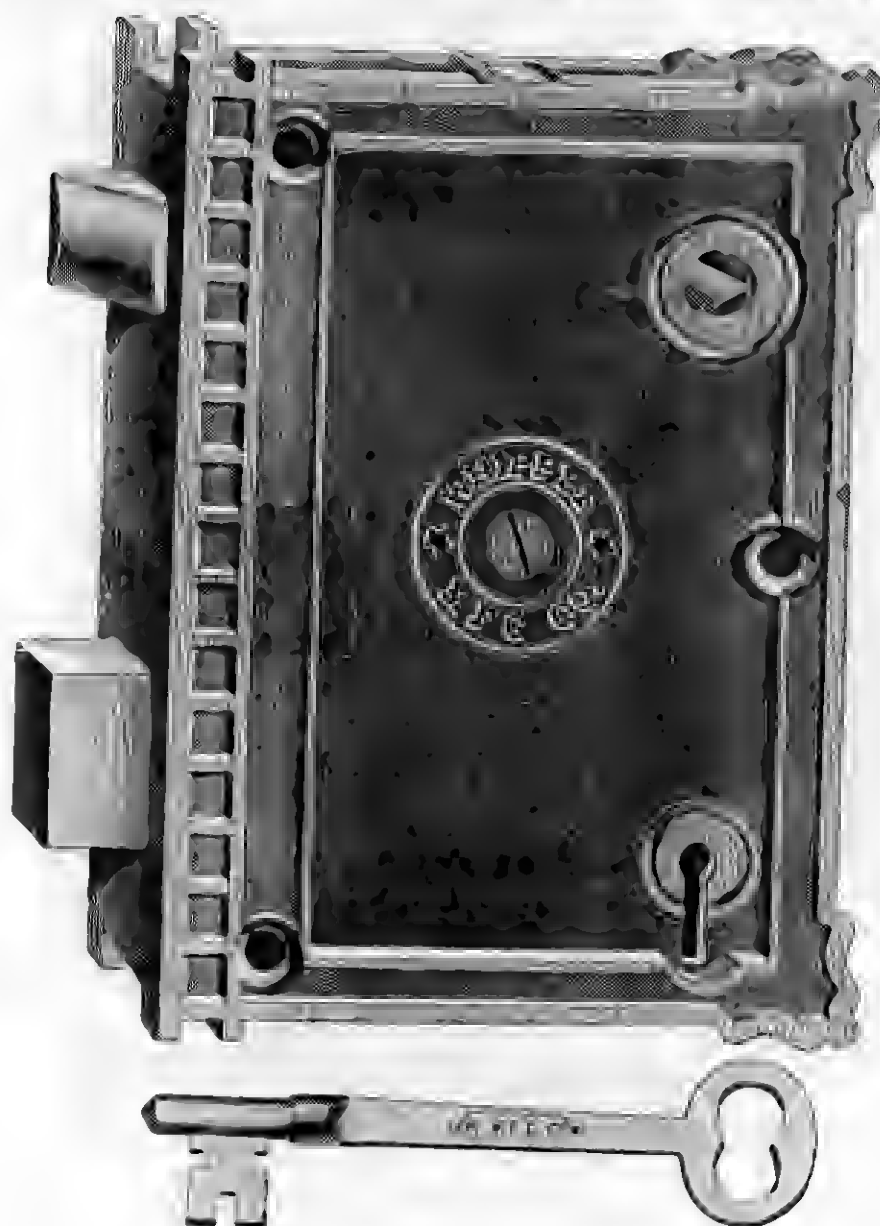
To reverse, draw Slide at top of Lock, remove Latch, turn it over and replace, pushing Slide to place.

		PER DOZ.
1597	11-1/2 inch, White Iron Body, Nickel-plated Steel Key, 12 Changes.	14 00
1598	11-1/2 inch, Three Brass Bolts, Nickel-plated Steel Key, 12 Changes.	15 70
1599	11-1/2 inch, same as No. 1598, with Two Keys.	18 20

Keys for these Locks are Class No. 146

ONE-HALF DOZEN IN A BOX

UPRIGHT RIM KNOB LOCKS.



REVERSIBLE LATCH BOLTS.

For either Right or Left Hand.

NO
1606.

5 x 3 1/4 inch, Two Iron Bolts, Stop on Latch. Nickeled Steel Key, One Thumb.

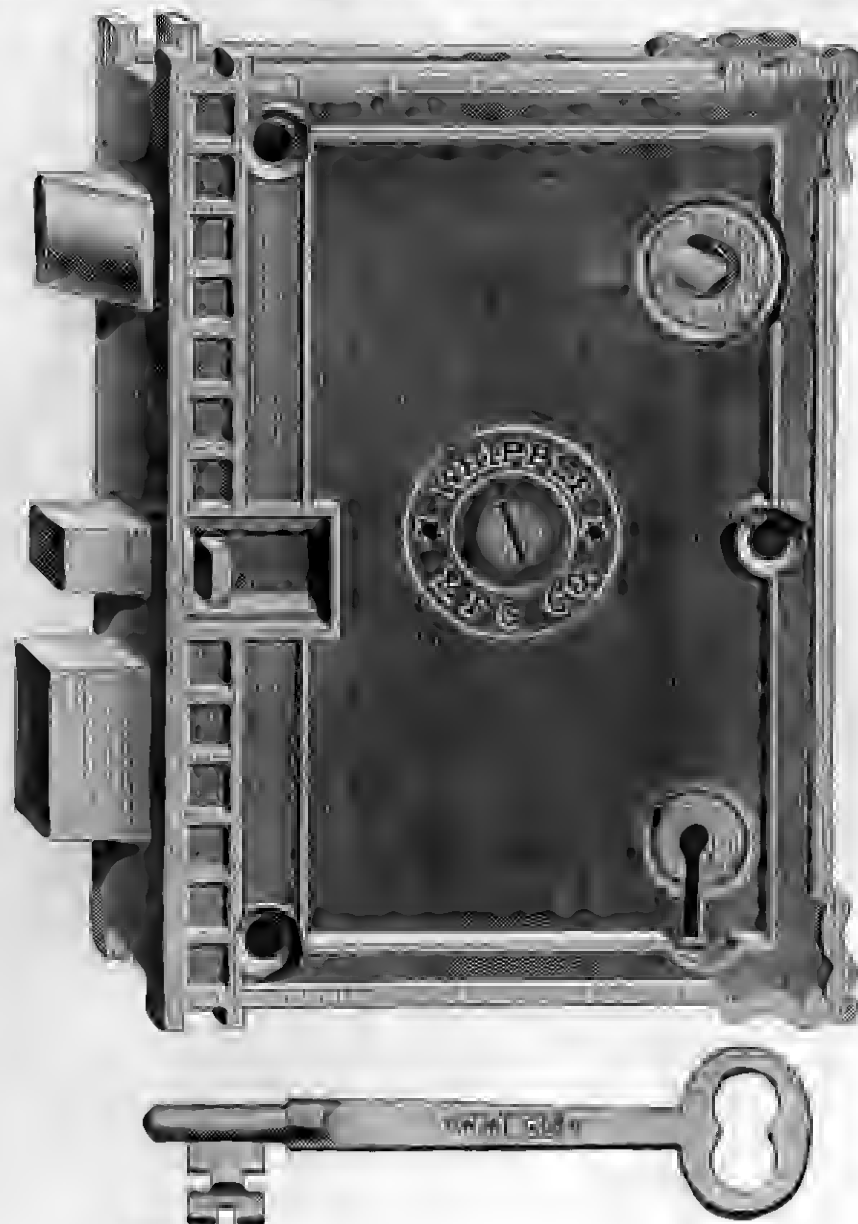
Keys for this Lock are Class One One

PLATE NO.

1000

WHEELER & CO., DETROIT

UPRIGHT RIM KNOB LOCKS.



REVERSIBLE LATCH BOLTS.

For either Right or Left Hand.

EASY SPRING LEVER ACTION

To reverse, draw Slide at top of Lock, remove Latch, turn it over—
—plus, putting Slide in place.

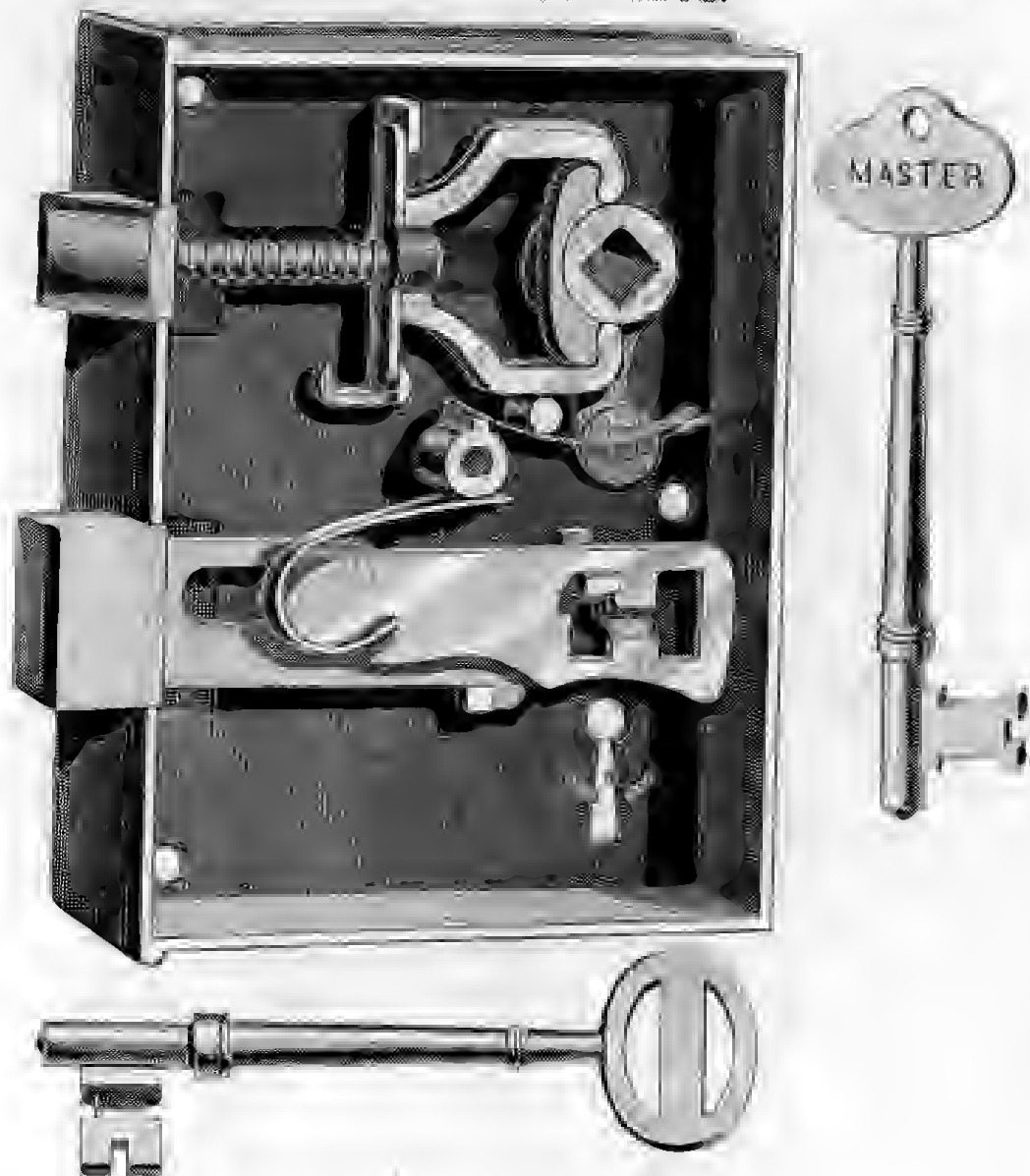
0914 1/2 inch, Three inch long, Standard sized key, One Double

0914

Keys for this Lock are Class No. 100

ONE HALF DOZEN IN A BOX

UPRIGHT RIM KNOB LOCKS. WITH MASTER KEYS.



PATENT REVERSIBLE LATCH BOLTS.

For either Right or Left Hand.

Obtained by Pulling Latch Bolt Forward and Turning Half Round

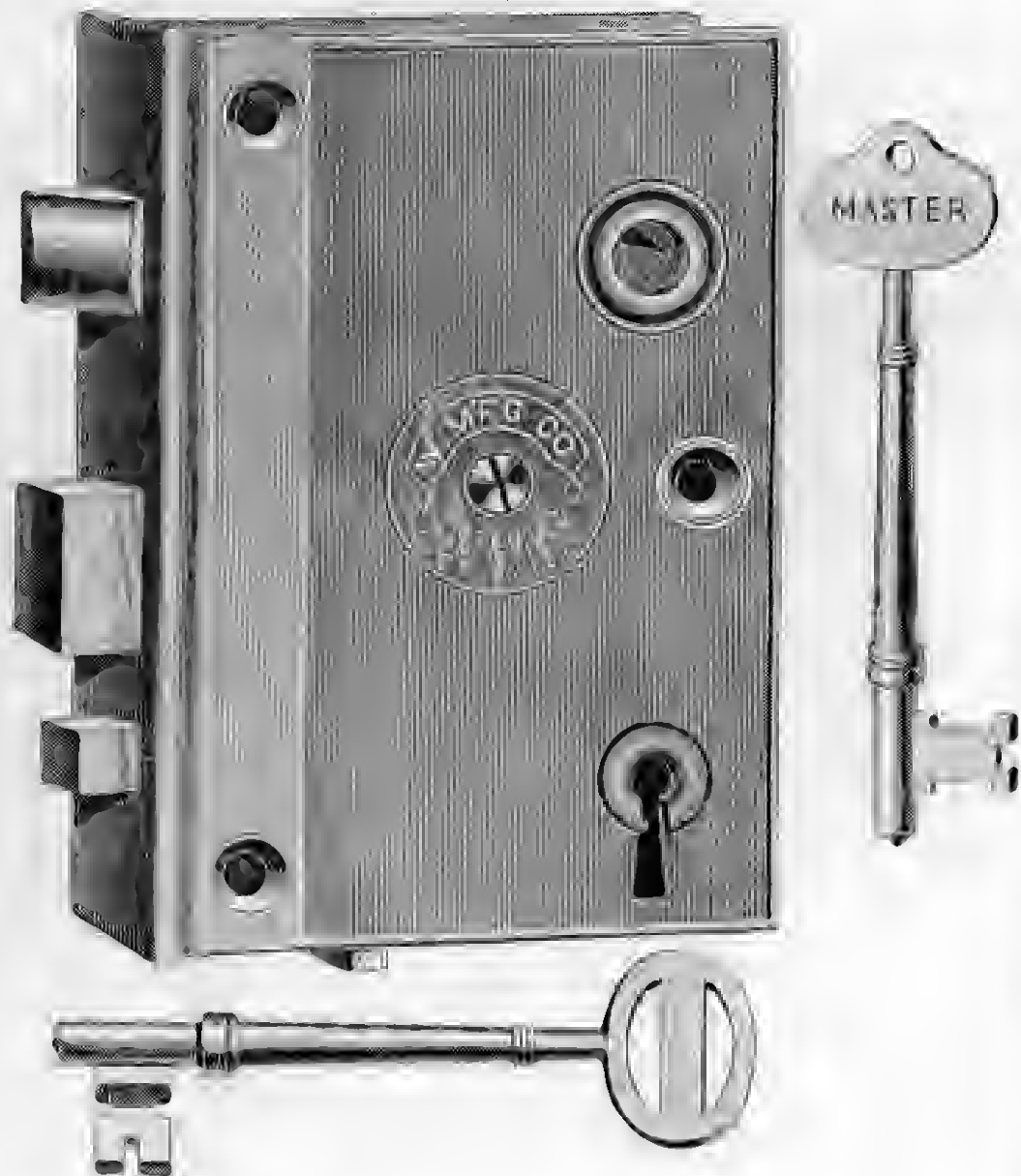
No.		Per Doz.
1610.	5 x 3 1/4 inch, Iron Bolts, Nickered Key, One Tumbler, 50 Changes	30 50
1611.	5 x 3 1/2 inch, Iron Bolts, Nickered Key, Two Tumblers, 50 Changes	32 50
1612.	5 x 3 1/2 inch, Brass Bolts, Nickered Key, One Tumbler, 50 Changes	22 50
1613.	5 x 3 1/2 inch, Brass Bolts, Nickered Key, Two Tumblers, 50 Changes	28 50

The above Locks can be furnished in four sets of 50 each, making 200, all different, with Master Key to fit each set of 50

Keys are Class No. 60. Master Keys are Class No. 61

SEE HALF DOZEN IN A BOX.

UPRIGHT RIM KNOB LOCKS. WITH MASTER KEYS.



PATENT REVERSIBLE LATCH BOLTS.

The same design as the above.

Complete in working order with thumb bolt and thumb key.

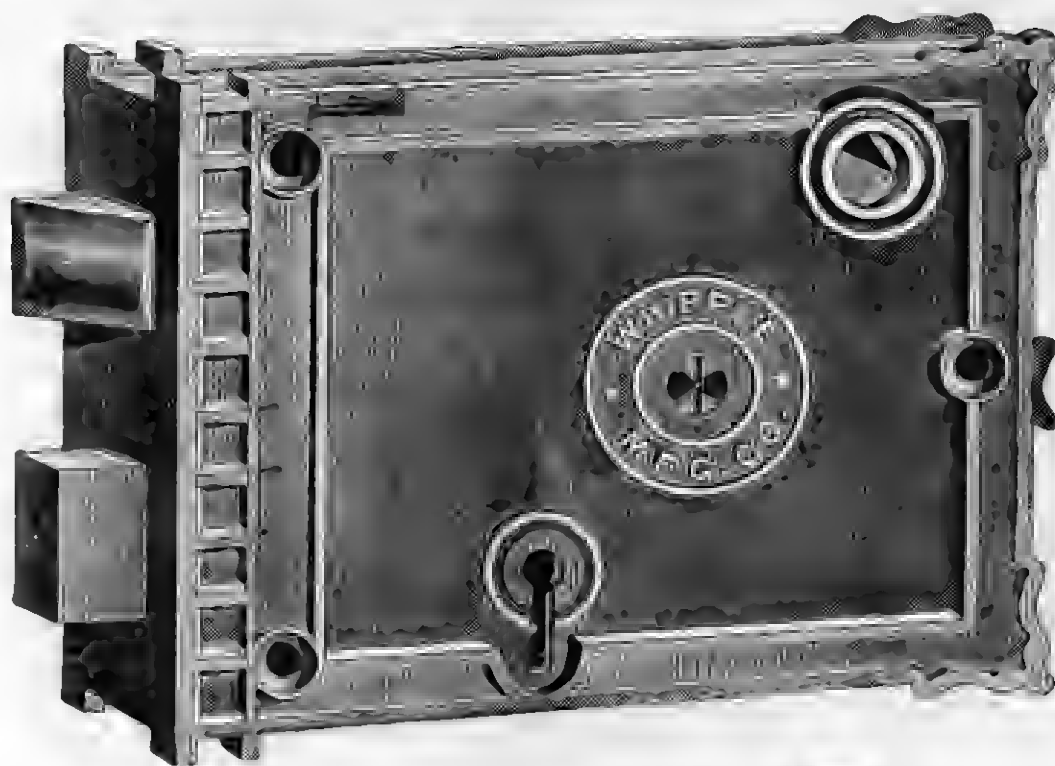
		PER DOZ.
1614	5 x 3 1/2 inch, Three Brass Bolts and Thumb Bolt, Nickeled Key, One Tumbler, 50 Changes,	\$21.00
1615	5 x 3 1/2 inch, Three Brass Bolts and Thumb Bolt, Nickeled Key, Two Tumblers, 50 Changes,	24.00
1617	5 x 3 1/2 inch, Three Brass Bolts and Thumb Bolt, Nickeled Key, One Tumbler, 50 Changes,	24.00
1618	5 x 3 1/2 inch, Three Brass Bolts and Thumb Bolt, Nickeled Key, Two Tumblers, 50 Changes,	24.00

The above locks are designed to run on all of the same, making 200, all different, with Master Key to fit each set of 20.

They are made by Hill, Son & Co. Master Keys are Class No. 61.

1000 PAID DOZEN IN A BOX

HORIZONTAL RIM KNOB LOCKS.



REVERSIBLE LATCH BOLTS.

For either Right or Left Hand.

How to turn the latch bolt from one position to the other. If the latch bolt is turned to the right, it will be in the open position. If turned to the left, it will be in the closed position. To turn it over, push the latch bolt down and turn it to the right.

No.	Description	Price
1792.	2½ x 4½ inch, Iron Bolts, Stop on Latch, Tinned Malleable Iron Key.	\$ 2.00
1793.	3½ x 4½ inch, Iron Bolts, Stop on Latch, Nickle-plated Steel Key.	3.00
	REVERSE BY DRAWING SLIDE.	
1797.	2½ x 4½ inch, Iron Bolts, Stop on Latch, Tinned Malleable Iron Key.	2.00
1798.	3½ x 4½ inch, Iron Bolts, Stop on Latch, Nickle-plated Steel Key.	3.00
1799.	2½ x 4½ inch, Iron Bolts, Stop on Latch, Nickle-plated Steel Key.	2.00

Keys for Nos. 1792 and 1797 are Class No. 146.
Keys for Nos. 1793, 1798 and 1799 are Class No. 147.

ONE-HALF DOZEN IN A BOX

304

H. H. SONS & CO., DETROIT.

HORIZONTAL RIM KNOB LOCKS. WITH STOPS.



REVERSIBLE LATCH BOLTS.

For either Right or Left Hand.

To Reverse, Remove the Cap and Turn the Latch Bolt.

3½ x 4¼ inch, Iron Bolts, Stop on Latch, Bronzed Iron Key, Stop on Latch.

ONE-HALF DOZEN IN A BOX. TWENTY DOZEN IN A CASE.

HORIZONTAL RIM KNOB LOCKS.



REVERSIBLE LATCH BOLTS

For either Right or Left Hand.

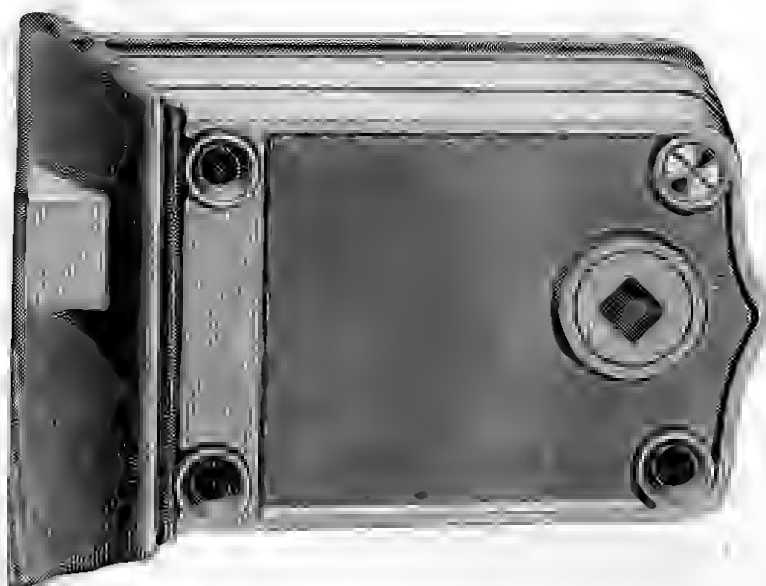
To reverse, draw Slide at top of Lock, remove Latch, turn it over and replace, putting Slide in place.

1140.	1 1/2 x 1 1/2 inch, Three Lever Bolt, Turned, Malleable Iron Key.	5 40 00
1141.	1 1/2 x 1 1/2 inch, Three Lever Bolt, Stamped Steel Key.	5 00 00
1142.	1 1/2 x 1 1/2 inch, Three Lever Bolt, Malleable Steel Key.	10 00 00

See also No. 1143 and 1144 for other sizes.
 1143 and 1144 are for 1 1/2 inch and 1 3/4 inch keys.

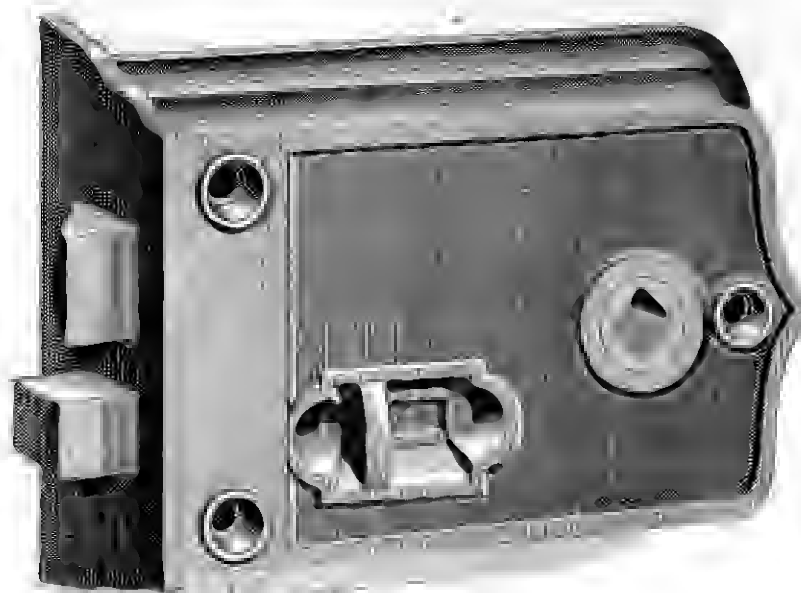
ONE-HALF DOZEN IN A BOX

HORIZONTAL RIM KNOB LATCHES.



No. 118. 2 1/2 inch, Iron Bolt, Flash Thumb Piece. PER DOZ. \$2.50

ONE HALF DOZEN IN A BOX.



No. 119. 2 1/2 inch, Iron Bolt and Slide Bolt, Flash Thumb Piece. PER DOZ. \$3.50
 No. 120. 3 1/2 inch, Brass Bolt and Slide Bolt, Brass Flash Thumb Piece. 7.50

ONE HALF DOZEN IN A BOX.

HORIZONTAL RIM KNOB LATCHES.

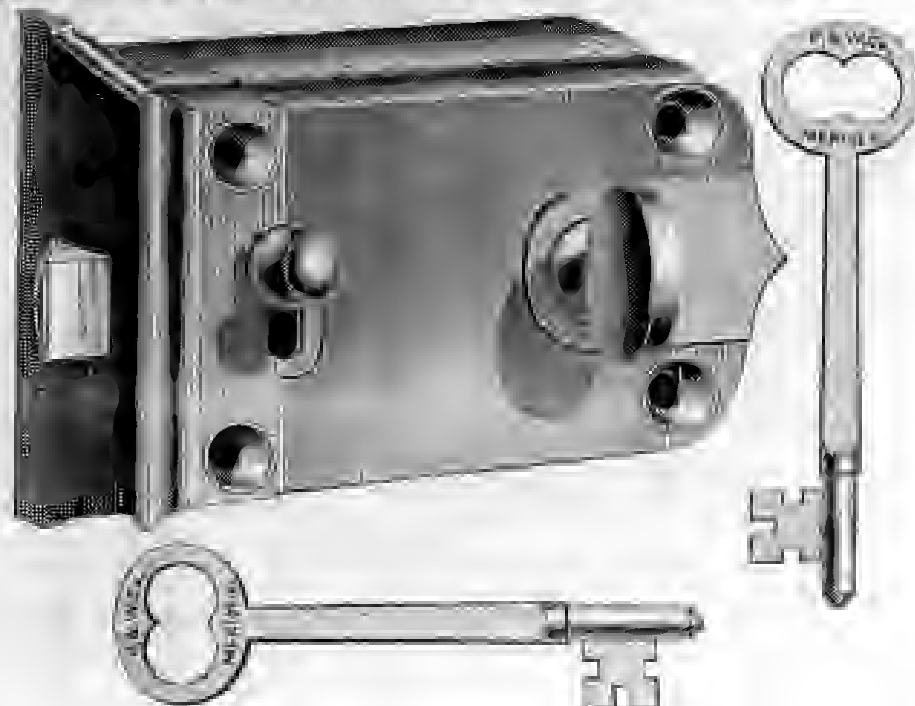


189. 2 1/2 x 4 inch, Iron Bolt, Brass Turn Knob, One Nickel Plated Steel Key.

PER DOZ.
\$14.00

ONE-HALF DOZEN IN A BOX.

HORIZONTAL RIM NIGHT LATCHES.



- | | | |
|------|--|----------|
| 190. | 2 1/2 x 4 inch, Iron Bolt, Brass Turn Knob, Two Nickel Plated Steel Keys, One Tumbler, | PER DOZ. |
| 191. | 2 1/2 x 4 inch, BRASS Bolt, Nickel Plated Turn Knob, Two Nickel Plated Steel Keys, | \$14.00 |
| 192. | One Tumbler..... | 19.50 |

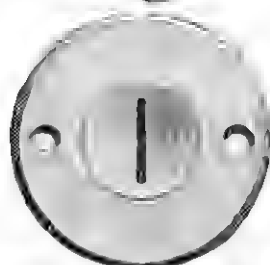
Each of the above latches are made of the best material.

One-half dozen in a box.

DEITZ'S TUBULAR RIM NIGHT LATCHES.

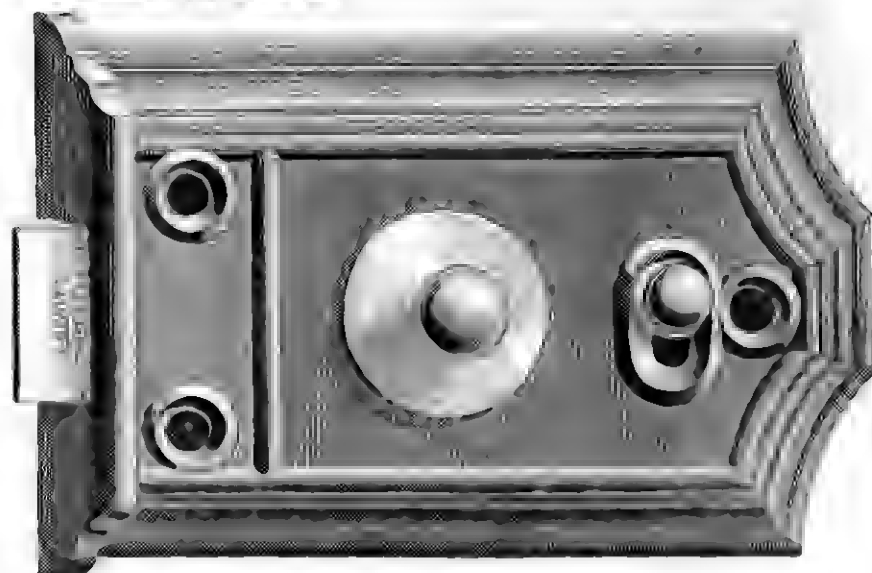


No. 108.



See Sample of Key to

No. 109. See Sample of Key to



No. 109.

No.		PER DOZ.
108	No. 108. Heavy Brass Bolt, Brass Slide and Stop Knobs, Four Tumblers, Two Flat Steel Keys, Bronze Metal Swivel Escutcheon.....	\$14 10
109	No. 109. Heavy Brass Bolt, Brass Slide and Stop Knobs, Four Tumblers, Two Flat Steel Keys, Bronze Metal Swivel Escutcheon.....	11 10
100	No. 100. Heavy Brass Bolt, Brass Slide and Stop Knobs, Four Tumblers, Two Flat Steel Keys, Bronze Metal Swivel Escutcheon.....	13 00

ONE QUARTER DOZEN IN A BOX

Please paste this in our 1984 Catalogue so as to face page 24.

11A

YALE RIM NIGHT LATCHES.

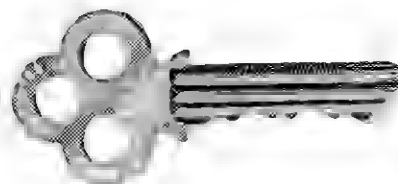
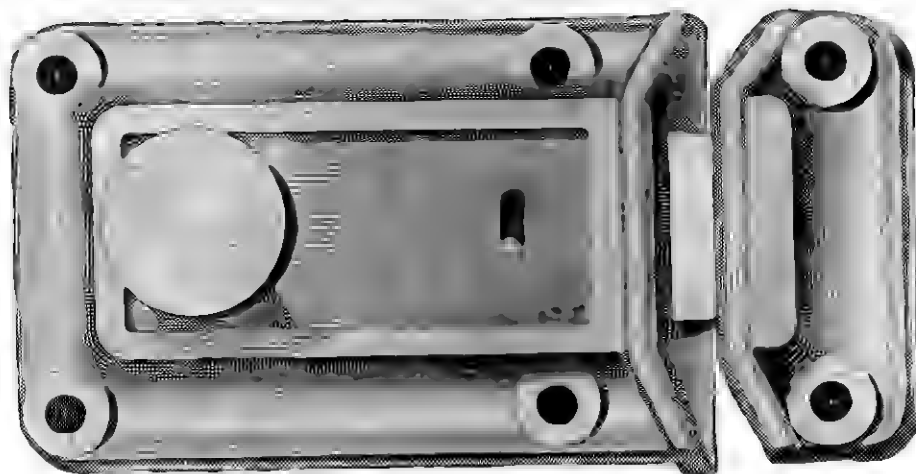
No.

44.

With Hammered Bronze Escutcheon and Knob, otherwise same as No. 43, page 25....

PER SET

\$30.00



ADJUSTABLE TO EITHER RIGHT OR LEFT HAND DOORS,
FROM 3-4 TO 3 INCHES THICK

Operated by Key from outside and by Knob from inside.

Blow Bolt 1 x 10 inch, with Three Keys, Complete Fittings and Screws, Full Turnbushes
Thousands of Changes No Two Sets of Keys Alike

No.

41.

27 x 4 inch, Plated Escutcheon and Bronze Knob...

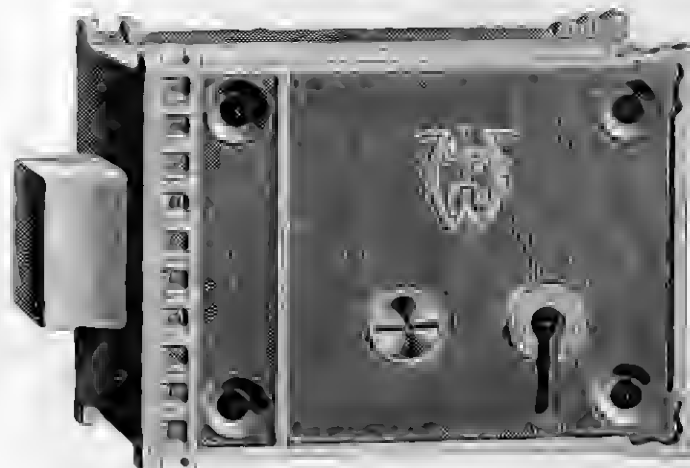
43.

27 x 4 inch, Brass Escutcheon and Knob....

No. 69

SET IN A BOX, WITH PRINTED DIRECTIONS FOR FITTING

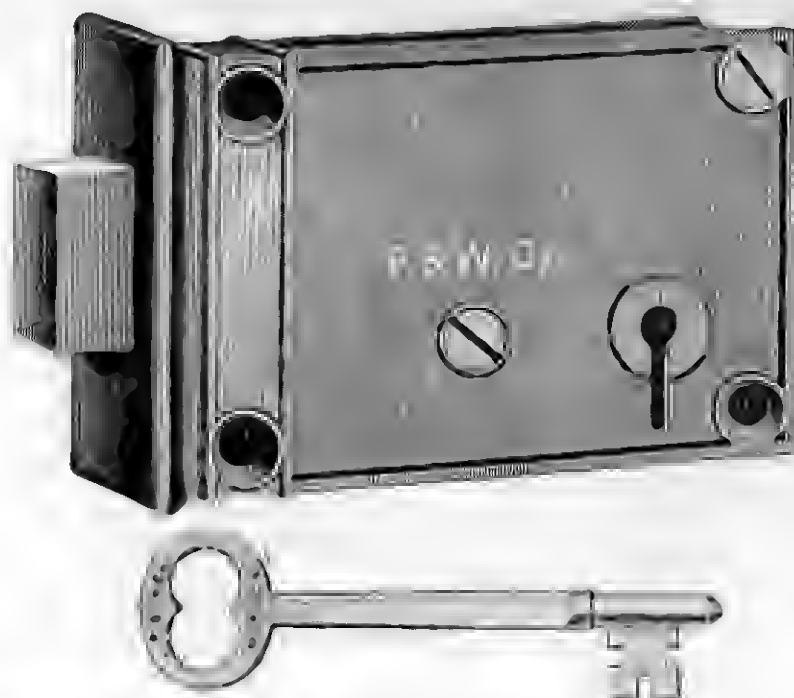
HORIZONTAL RIM DEAD LOCKS.



214. 3 1/2 x 2 1/2 inch, Iron Bolt, Tinned Malleable Iron Key.
 215. 3 1/2 x 2 1/2 inch, Iron Bolt, NICKELED STEEL KEY.
 216. 3 1/2 x 2 1/2 inch, same as No. 214, with Two Key.

Price per
 doz. \$4.00
 1 doz. 3.00
 1 doz. 2.00

Keys for Nos. 214 and 215 are Class 25.
 Keys for Nos. 216 and 217 are Class 25, 100.
 (SEE LIST OF KEYS, P. 10, 11, 12)

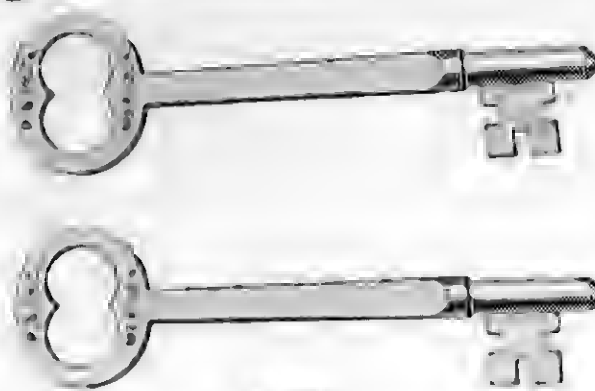
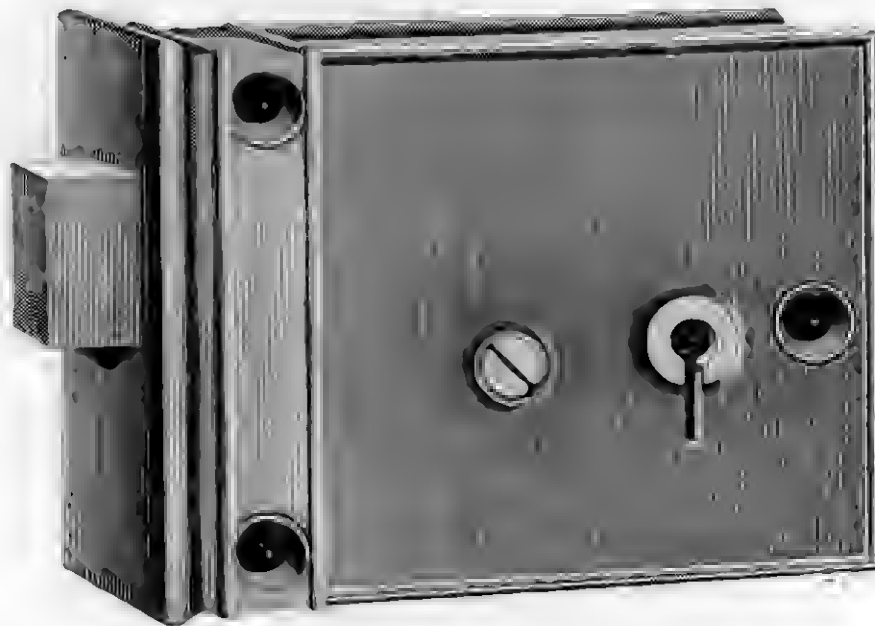


220. 3 1/2 x 2 1/2 inch, Iron Bolt, Tinned Malleable Iron Key.
 221. 3 1/2 x 2 1/2 inch, Iron Bolt, NICKELED STEEL KEY, One Tumbler.
 222. 3 1/2 x 2 1/2 inch, same as No. 220, with Two Key.

Price per
 doz. \$4.00
 1 doz. 3.00
 1 doz. 2.00

Keys for No. 220 are Class 25, 100.
 Keys for Nos. 221 and 222 are Class 25, 100.
 (SEE LIST OF KEYS, P. 10, 11, 12)

HORIZONTAL RIM DEAD LOCKS.

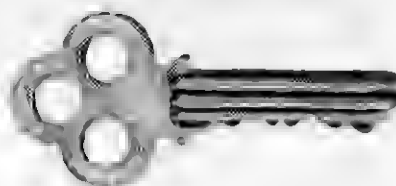
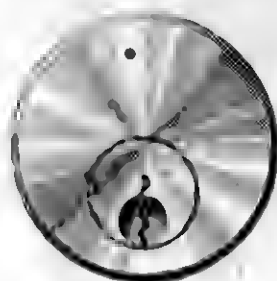
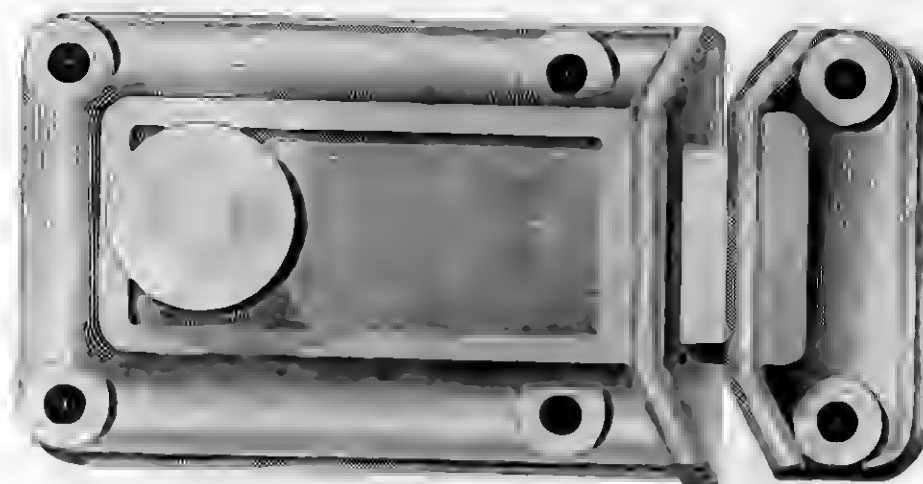


		PER DOZ.
267.	3 x 4 inch, Iron Bolt, Nickeled Steel Key, One Tumbler.....	\$ 9 00
2674.	3 x 4 inch, Iron Bolt, Two NICKELED STEEL KEYS, One Tumbler.	11 50

Keys for these Locks are Class No. 230.

ONE-HALF DOZEN IN A BOX

"YALE" RIM DEAD LOCKS.



ADJUSTABLE TO EITHER RIGHT OR LEFT HAND DOORS,
FROM 3-4 TO 3 INCHES THICK.

Operated by Key from Outside and by Knob from Inside.

Brass Bolt 1 x 1/2 inch, with Three Keys, Complete Fittings and Screws, Five Tumblers
Thousands of Changes, No Two Sets of Keys Alike.

YALE
NO.

2 3/4 x 3 3/4 inch, Plated Escutcheon and Bronze Knob.....

PER LOCK.
\$36 00

YALE & HULL DETROIT PATENT LOCKS AND HARDWARE CO.

Please send this to your local Catalogue so as to face page 29.

YALE RIM DEAD LOCKS.

With Hammered Bronze Escutcheon and Knob, otherwise same as No. 31, price \$1.00.



REVERSIBLE FOR RIGHT OR LEFT HAND.

WROUGHT IRON INSIDE WORK.

NO.
0241.

4 x 2½ inch, Heavy Iron Bolt, Two Steel Folding Keys, One Tumbler, Revolving
Key Hole Bushing

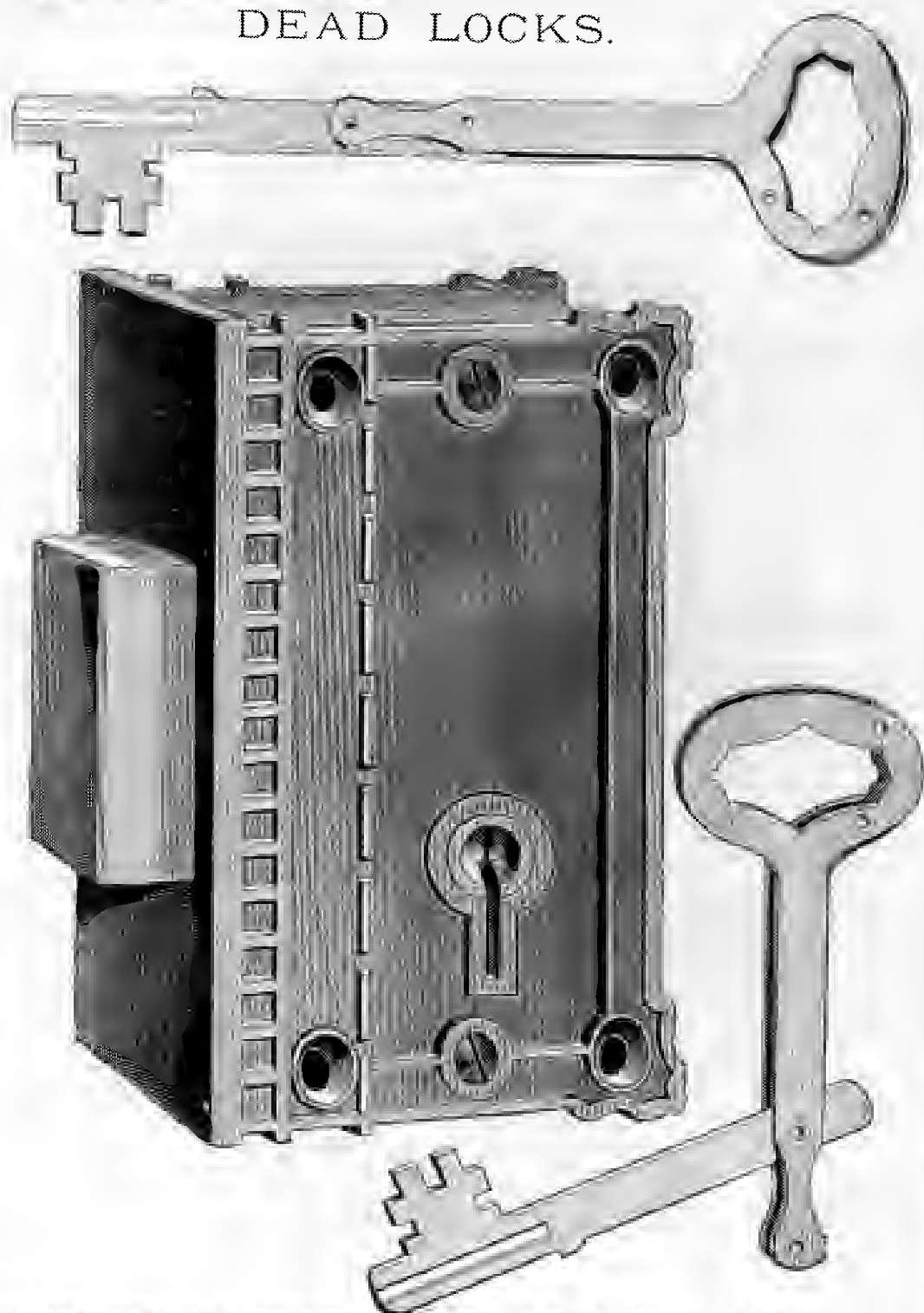
PER DOZ.

Duplicate Keys can be procured by sending Number of the Lock and the Number on the Key

Keys for this Lock are Class No. 42.

ONE-QUARTER DOZEN IN A BOX.

UPRIGHT RIM STORE DOOR DEAD LOCKS.



REVERSIBLE FOR RIGHT OR LEFT HAND

Pat.
1900.
10288

5 1/2 inch, Heavy Iron Bolt, Two Steel Folding Keys, One Turnbuckle, 12 Changes.
7 1/2 inch, Heavy Iron Bolt, Two Steel Folding Keys, Turn & Turnbuckle, 18 Changes.
Higher to 12 inch can be furnished by adding the number of the bolt and the number of the key.
Keys for these locks are made to order.

PER DOZ.
\$24 00
30 00

ONE IN A BOX

DEITE'S TUBULAR STORE DOOR DEAD LOCKS.



REVERSIBLE FOR RIGHT OR LEFT HAND.

For Doors 1½ to 2½ Inches Thick.

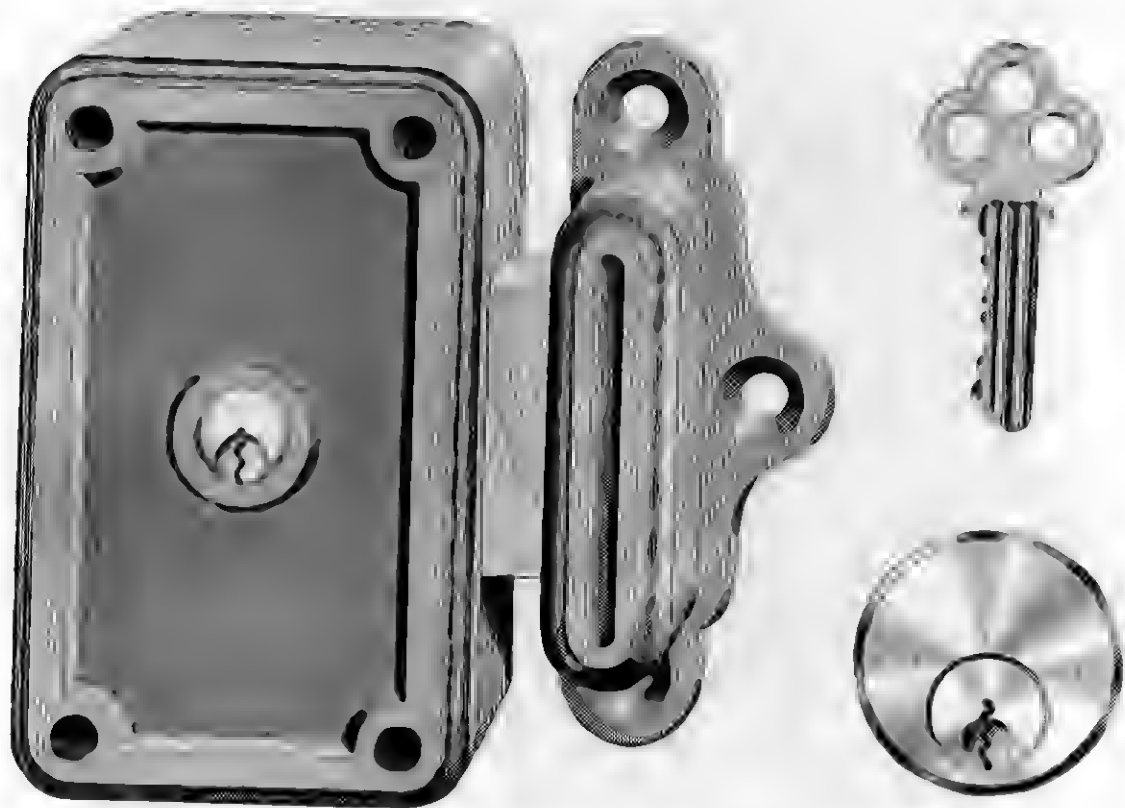
6 x 2½ inch, Heavy Japaned Iron Case, Heavy Brass Bolt, Brass Knob, Four Tumblers, Two Flat Steel Keys, Bronze Metal Swivel Escutcheon.

PER LOCK

\$30.00

ONE IN A BOX

"YALE" RIM STORE DOOR DEAD LOCKS.



ADJUSTABLE TO EITHER RIGHT OR LEFT HAND DOORS,
FROM 3-4 TO 3 INCHES THICK.

Operated by the Key from Either Side of the Door.

Brass Bolt 2 x $\frac{1}{2}$ inch, with Three Keys, Complete Fitting Screws, Five Tumblers.
Thousands of Changes. No Two Sets of Keys Alike.

2 $\frac{1}{2}$ x 4 inch, Brass Escutcheon

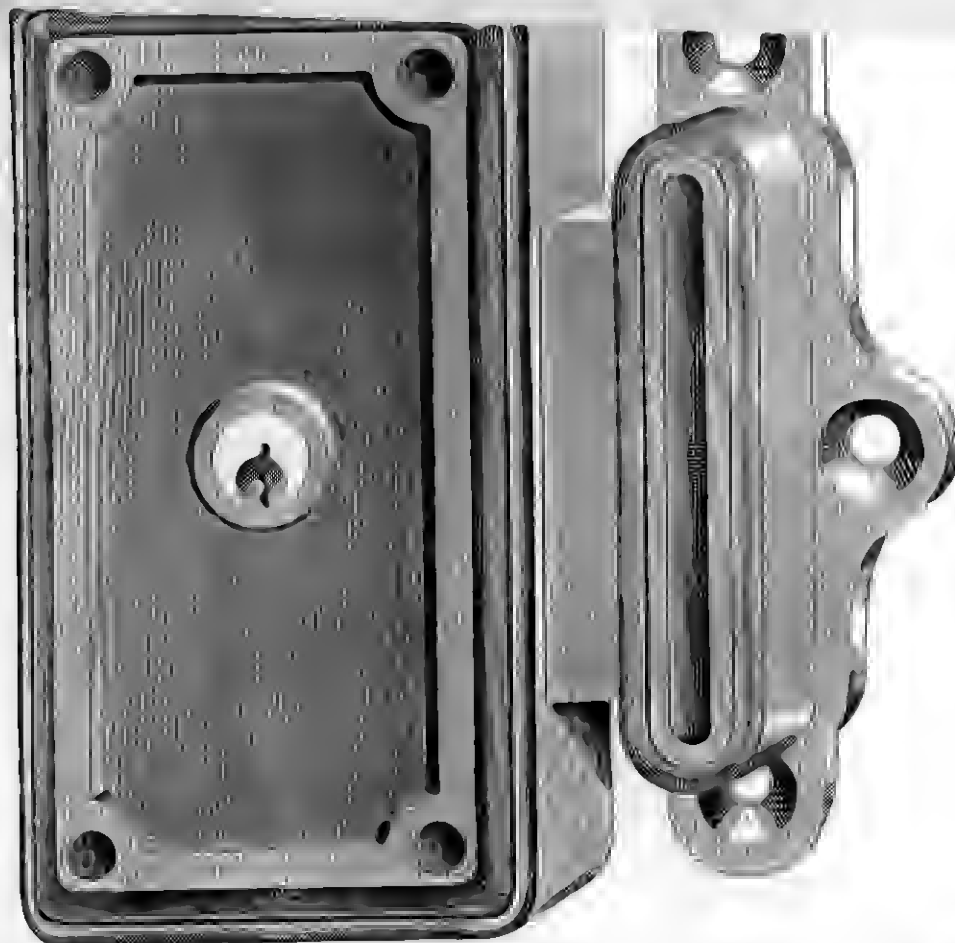
PEL. NO.
\$51.00

ONE IN A BOX, WITH PRINTED DIRECTIONS FOR PUTTING ON

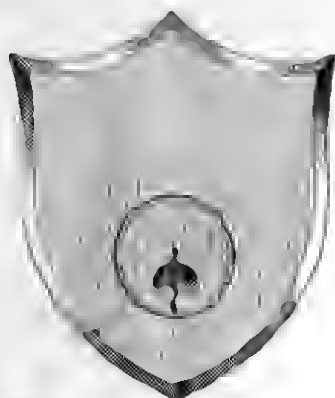
"YALE" RIM STORE DOOR DEAD LOCKS.

3

With Hammered Bronze Escutcheon and Knob, otherwise same as No. 11, page 32, \$54 00.



ADJUSTABLE TO EITHER RIGHT OR LEFT HAND DOORS,
FROM 1 1/4 TO 4 INCHES THICK.



Operated by the Key from Either Side of the Door.

Bronze Bolt 2 1/2 x 1/2 inch, with Four Keys, Complete
Fittings and Screws, Six Tumblers, Thousands
of Changes. No Two Sets of Keys Alike.



5

Plated Escutcheon.

\$12 00

6

Hammered Bronze Escutcheon.

76 00

USE IN A BOX WITH PRINTED DIRECTIONS FOR PUTTING ON

MORTISE KNOB LOCKS.



REVERSIBLE LATCH BOLTS.

For either Right or Left Hand

Reversible by Removing the Cap.

EASY SPRING LEVER ACTION.

310. 3½ x 3¼ inch, Iron Front and Iron Bolts, Flat Tinned Malleable Iron Key, 12 Changes,
 311. 3½ x 3¼ inch, Iron Front and Iron Bolts, Malleable Iron Key, 12 Changes.

For No. 310 Locks use Key No. 130
 For No. 311 Locks use Key No. 131

ONE-HALF DOZEN IN A BOX

11A

please refer to this in our 1884 Catalogue so as to face page 34.

MORTISE KNOB LOCKS.

11B

11B 11C 11D 11E 11F 11G 11H 11I 11J 11K 11L 11M 11N 11O 11P 11Q 11R 11S 11T 11U 11V 11W 11X 11Y 11Z

11B 11C 11D 11E 11F 11G 11H 11I 11J 11K 11L 11M 11N 11O 11P 11Q 11R 11S 11T 11U 11V 11W 11X 11Y 11Z

Keys for this Lock are Class No. 10.



REVERSIBLE LATCH BOLTS.

For either Right or Left Hand.

To reverse, draw Slide at top of Lock, remove Latch, turn it over & replace, pushing Slide to place.

EASY SPRING LEVER ACTION.

11A	3 1/2 inch, Brass Front and Back, Nickel Steel Key, 12 Changes.	10 00
11B	3 1/2 inch, Brass Front and Back, Nickel Steel Key, 12 Changes.	10 00
11C	4 1/2 inch, Brass Front and Back, Nickel Steel Key, 12 Changes.	10 75
11D	5 1/2 inch, Brass Front and Back, Nickel Steel Key, 12 Changes.	11 75
11E	6 1/2 inch, Brass Front and Back, Nickel Steel Key, 12 Changes.	12 75

Keys for these Locks are Class No. 10.

ONE HALF DOZEN IN A BOX.

MORTISE KNOB LOCKS.



REVERSIBLE LATCH BOLTS.

For either Right or Left Hand.

To reverse, draw Slide at top of Lock, remove Latch, turn it over and replace, pushing Slide to place.

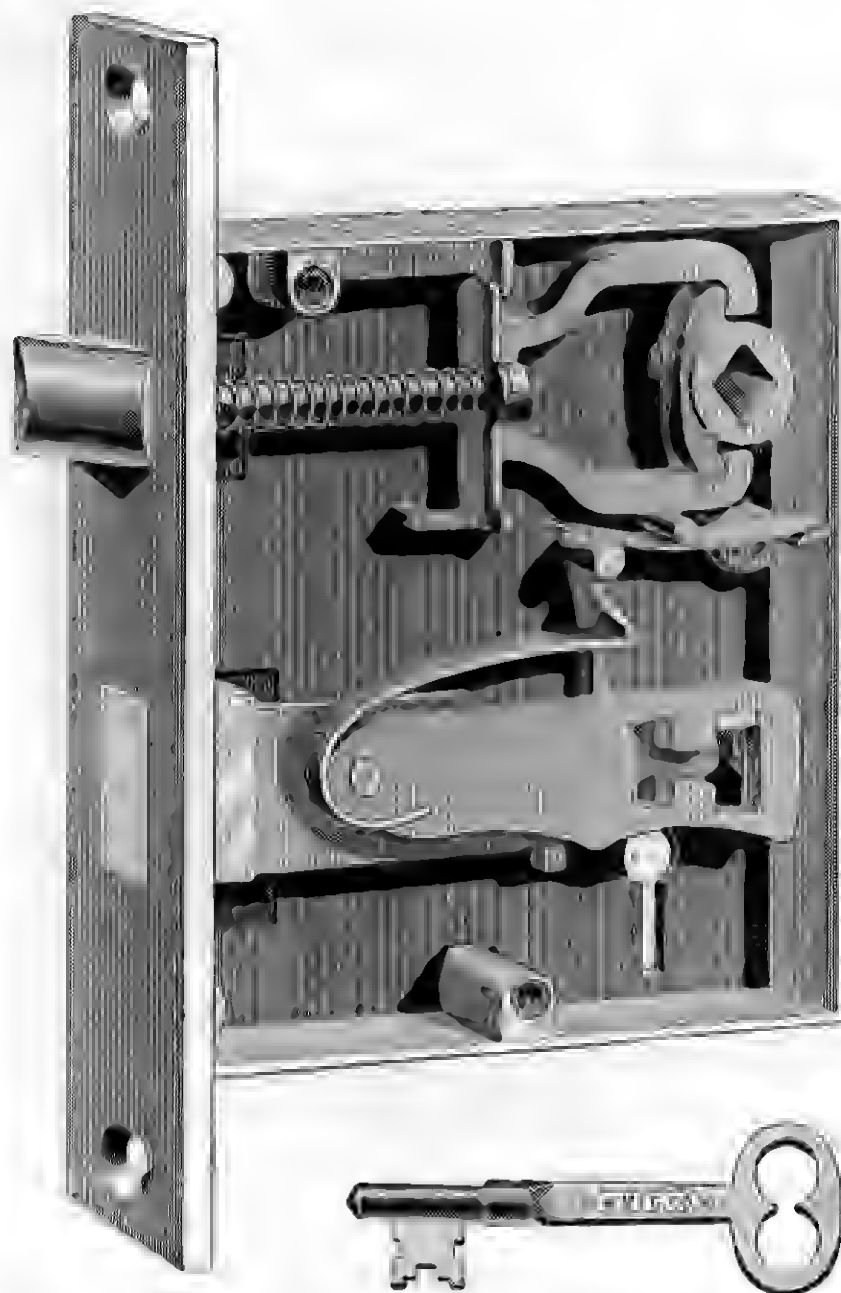
EASY SPRING LEVER ACTION.

412.	• 3 1/2" Body, Brass Front and Iron Bolt, Nickelplated Steel Key, 12 Changes	PER DOZ.
424.	• 4 1/2" Body, Brass Front, Brass Bolt, Nickelplated Steel Key, 12 Changes	\$12.50
		14.00

Keys for these Locks are Class No. 133.

ONE HALF DOZEN IN A BOX

MORTISE KNOB LOCKS.



PATENT REVERSIBLE LATCH BOLTS.

For either Right or Left Hand.

Reverse by Pulling out Latch Bolt and Turning Half Round.

WROUGHT IRON INSIDE WORK.

1007.

4½ x 3½ inch, Brass Front and Brass Bolts, One Tumbler, Nickled Steel Key,
21 Chan

1007.

1007.

Keys for this Lock are sold by the
ONE HALF DOZES, 1007.

BUHL SONS & CO., DETROIT.

MORTISE KNOB LOCKS, WITH ANTI-FRICTION LATCH BOLTS.



No. 7, Right Hand.

NOT REVERSIBLE. In Ordering, state if you want Right or Left Hand

WROUGHT IRON INSIDE WORK

44 x 4½ inch. Body Front and Bolts, Plated Thumb Knob, Nickled Steel Key,
One Tumbler, 7/16 inch.

PER LOCK

\$29.00

Buhl Sons & Co., Detroit, Mich.

Sole and Exclusive Agents for the U.S.A.

HEAVY MORTISE KNOB LOCKS. WITH ANTI-FRICTION LATCH BOLTS.



No. 7603, Right Hand

NOT REVERSIBLE In Ordering, state if you want Right or Left Hand.
WROUGHT IRON INSIDE WORK.

No. 7603. 5 x 4 inch, Brass Front and Bolts, One Tumbler, Nicked Steel Key.

Keys for this Lock are Class No. 137

ONE QUARTER TURN LATCH

1897
64 30

MORTISE KNOB LOCKS.

WITH MASTER KEYS.



PATENT REVERSIBLE LATCH BOLTS.

For either Right or Left Hand.

Reverse by Pulling Latch Bolt Forward and Turning Half Round

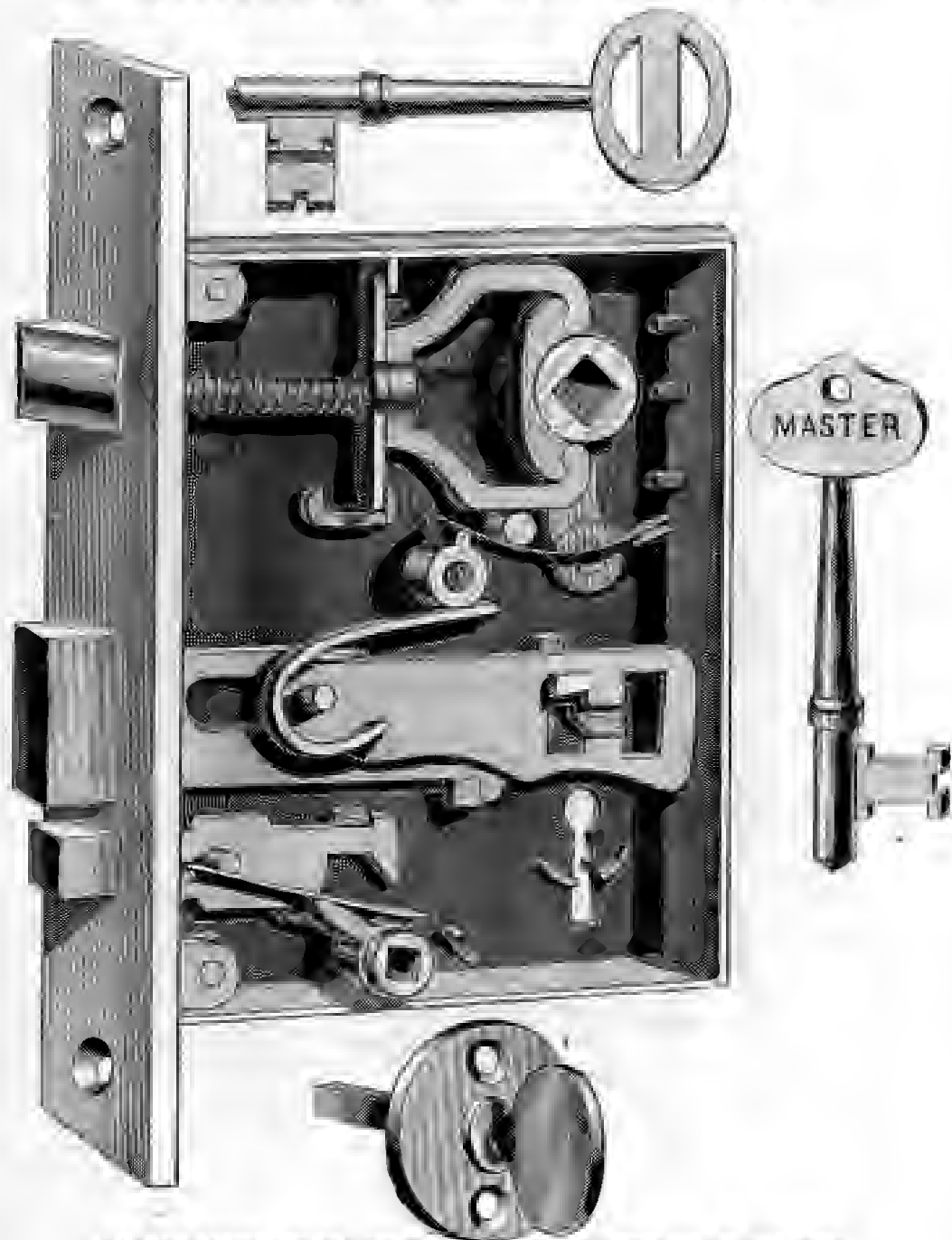
WROUGHT IRON INSIDE WORK

0000	4 1/2 x 3 1/2 inch Brass Front and Iron Bolts, Brass Key, One Tumbler, and 1/2 inch	85 00
0000	4 1/2 x 3 1/2 inch, Brass Front and Bolts, Brass Key, One Tumbler, and 1/2 inch	75 00
0000	4 1/2 x 3 1/2 inch, Brass Front and Bolts, Brass Key, Two Tumblers, and 1/2 inch	85 00

The above Locks can be mounted in iron, with or without, making them all different with Master Key or ordinary use of Key.
Keys are made No. 2 Master Key and 1/2 inch.

PUBLISHED BY HILL, SONS & CO.

MORTISE KNOB LOCKS.



PATENT REVERSIBLE LATCH BOLTS.

For either Right or Left Hand

Reverse by Pulling Latch Bolt Forward and Turning Half Round.

WROUGHT IRON INSIDE WORK.

		PER DOZ.
024	4 1/2 x 3 1/2 inch, Brass Front and Iron Bolts and Thumb Bolts, One Tumbler, 50 Changes,	\$40 00
040	4 1/2 x 4 1/2 inch, Brass Front, Brass Bolts, Brass Thumb Bolt, One Tumbler, 50 Changes,	45 00
042	4 1/2 x 4 1/2 inch, Brass Front, Brass Bolts, Brass Thumb Bolt, Two Tumblers, 60 Changes,	48 00

These locks are furnished in Four Sets of 50 each, making 200, all different, with Master Key for each set of 50.
Keys are Class No. 2 Master Keys are Class No. 2;

SEE LIST UNDER NO. 400

RABBETED MORTISE KNOB LOCKS.



No. 525. Right Hand

NOT REVERSIBLE In Ordering, state if you want Right or Left Hand.

W.H.C.

6 1/2 x 3 1/2 inch, Inox Front and Brass Guarded Bolts, Nickeled Steel Key

HULL BROS & CO.

Kept to the Lock Co. Class No. 135.

REGISTERED TRADE MARK

RABBETED MORTISE KNOB LOCKS.



No. 520, Right Hand

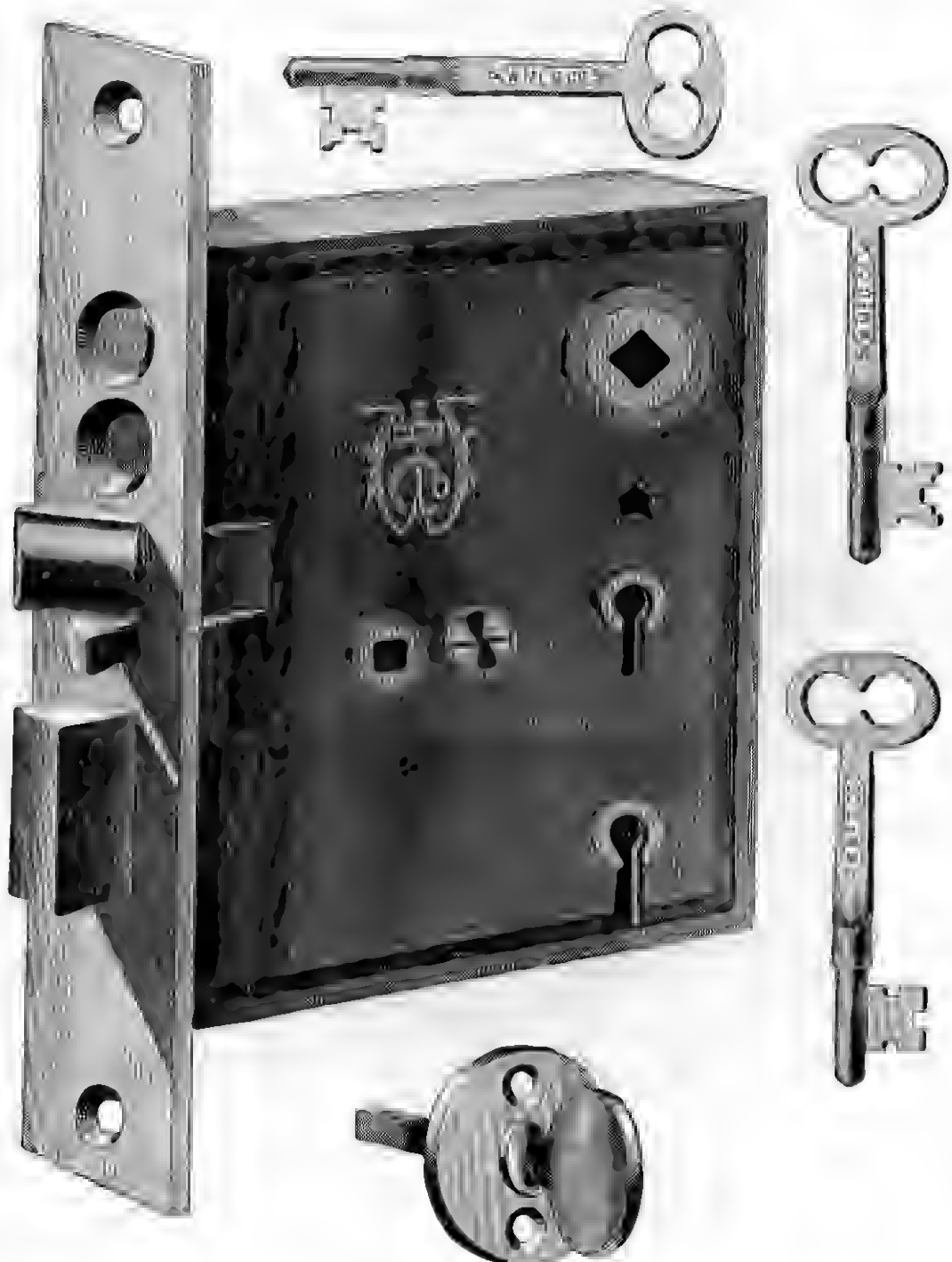
NOT REVERSIBLE. In Ordering, state if you want Right or Left Hand.

NO.		PER 100.
520.	4 $\frac{1}{2}$ x 3 $\frac{1}{2}$ inch, Brass Rabbeted Front and Brass Bolts, NICKELLED Steel Key, One Tumbler.....	\$43 50

Keys for this Lock are Class No. 135

THE DETROIT LOCK CO. DETROIT, MICH.

FRONT DOOR MORTISE KNOB LOCKS.



No. 752, Right Hand.

NOT REVERSIBLE In Ordering, state if you want Right or Left Hand.

752, 753, 754, 755, 756, Brass Front and Bolts, Plated Thumb Knob and Plate, Two Nickeled Steel Night Keys, One Tumbler, One Nickeled Steel Key for Locking Bolt, One Tumbler.

Yardley's Lock No. 752 is made with the thumb lock, and when opened will be locked with thumb lock with Keys to pass both Lock and Thumb.

Keys are Locking Bolt are Class No. 138. Night Key Class No. 1072. For Specifications suitable for this Lock, see Appendix B.

ONE IN A BOX, WITHOUT DOOR KNOB OR PLATE.

PER DOZ

\$49 50

VESTIBULE DOOR MORTISE NIGHT LATCHES.



No. 752½. Right Hand.

NOT REVERSIBLE. (If Underside state if you want Right or Left Hand.)

2½ inch, Brass Front and Bolt, Plated Thumb Knob and Plate, Two Nickel-Plated Keys, One Tumbler.....

FOR 102

\$35 50

No. 752½ Latch matches with Front Door Lock on Opposite Page.

Keys for this Latch are Class No. 139½.

ONE IN A BOX, WITHOUT DOOR KNOBS OR ESCUTCHEONS.

ESCUTCHEONS SUITABLE FOR Nos. 752 AND 752½.

For No. 752, Outside.

For No. 752½.

Nickel-Plated Key Plate, No. 62N, Page 72.
Steel Thumb Knob, No. 2110, Page 73.
Steel Thumb Knob and Escutcheon (Combined), No. 2110, Page 73.

Nickel-Plated Key Plate, No. 7N, Page 72.
Steel Bronze Key Plate, No. 2170, Page 75.
Steel Bronze Thumb Knob, No. 2170, Page 75.
Steel Bronze Thumb Knob and Escutcheon (Combined), No. 2170, Page 75.

Steel No. 752, Inside.
Steel Plated Key Plate, No. 7N, Page 72.
Steel Thumb Knob Plate, No. 2170, Page 75.

These articles are sold separately at the following prices:

FRONT DOOR MORTISE KNOB LOCKS.

445 Same as No. 445, same as with Anti-Knocking Lock Bolt.

FOR DOOR
\$114.00

Please refer to our 1904 Catalogue as to door page 45.

445

RABBETED VESTIBULE

DOOR MORTISE NIGHT LATCHES.

445 Same as No. 445, page 45, with Anti-Knocking Lock Bolt.

FOR DOOR
\$84.10

Nos. 445 Right Hand

NOT REVERSIBLE In Ordering state if you want Right or Left Hand.

445 3 1/2 inch, Brass Front and Bolts, Plated Thumb Knob, Two Nickeled Steel Night Keys, One Tumbler, One Nickeled Steel Key for Locking Bolt, One Tumbler, \$84.10

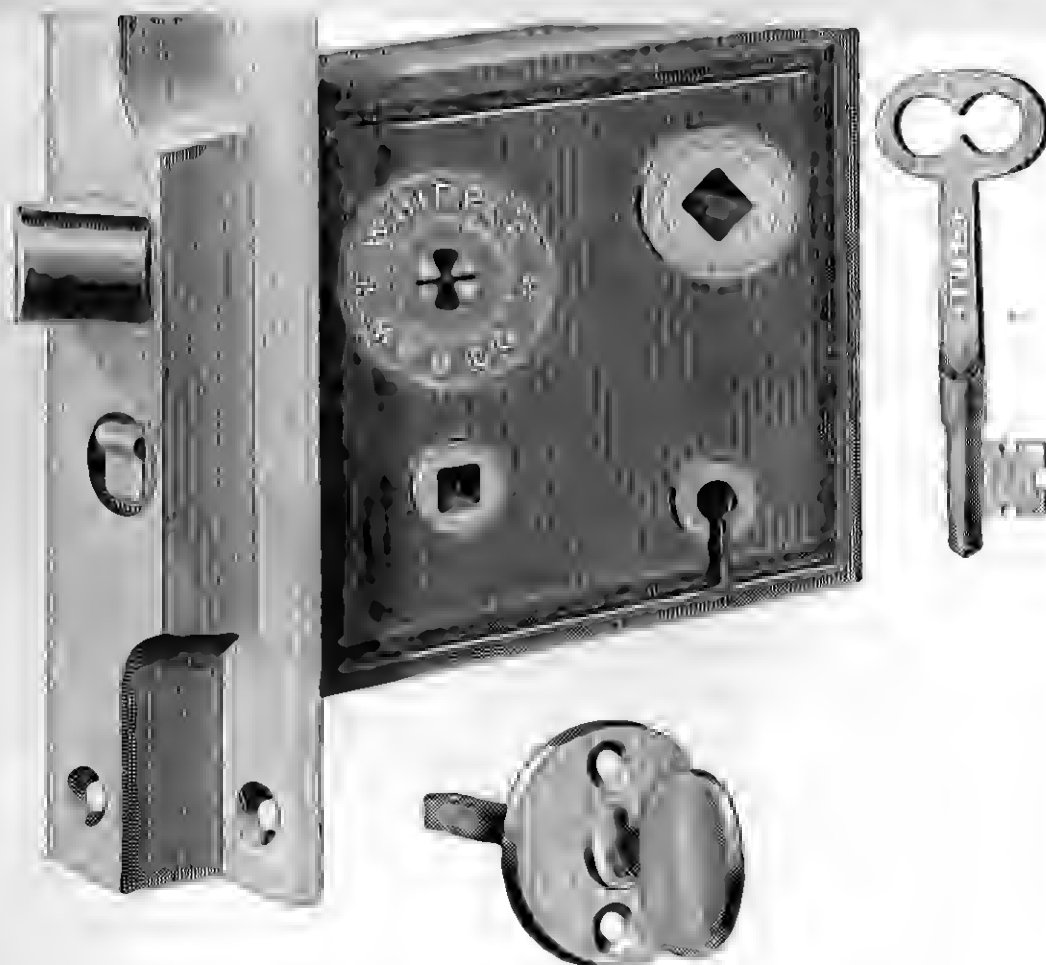
Each Lock No. 445 matches with the above Lock, and when desired will be packed with them.

For Estimates apply to the Locks, and Opposite Page
List for Locking Bolt and Tumbler, One Right Key, One Left Key.
Hull, Sons & Co. Locksmiths, 1000 Broadway, New York City.

RABBETED FRONT DOOR MORTISE KNOB LOCKS.

7440. TRADE MARK No. 410. MADE IN THE AMERICAN LOCK WORKS.

1011 70



No. 445½. Right Hand.

NOT REVERSIBLE. In Ordering, state if you want Right or Left Hand.

100	4½ x 10 inch. Brass Front and Bolt, Plated Thumb Knob and Plate, Two Nickeled	PER DOZ
4404	With Key, One Tumbler.....	\$50 00

NO 440 LOCK REVERSE WITH FRONT DOOR LOCK NO 4404A PINE

Keys for this Lock are Made By 1884.

MADE IN A BOX, WITHOUT DOOR OR KEY IN THE LOCK.

ESGUTCHEONS SUITABLE FOR Nos. 445 AND 445½.

For No. 445, Outside.

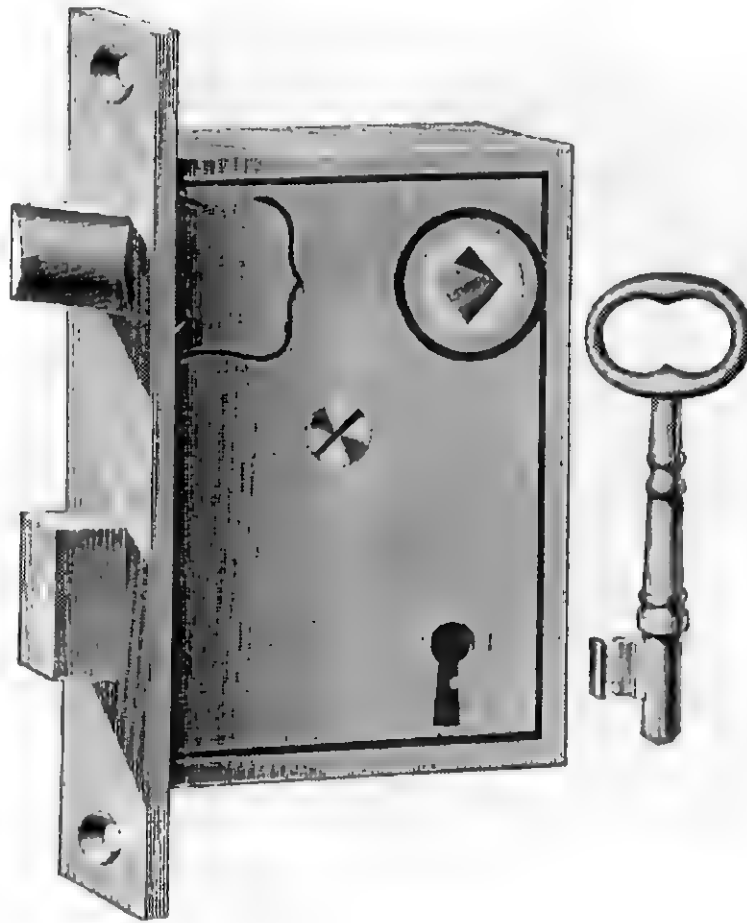
Single Plated Door, No. 445, Page 47
 Cast Bronze Door, No. 445, Page 47
 Cast Bronze Door and Escutcheon (Combined)
 No. 445, Page 47.

For No. 445½, Inside.
 Single Plated Door, No. 445½, Page 47
 Cast Bronze Door, No. 445½, Page 47

For No. 445½

Single Plated Door, No. 445½, Page 47
 Cast Bronze Door, No. 445½, Page 47
 Cast Bronze Door and Escutcheon (Combined)
 No. 445½, Page 47

MORTISE KNOB LOCKS.



FOR CUPBOARD OR REFRIGERATOR DOORS.

NO.		PER DOZ.
361.	3½ x 2½ inch, Iron Front and Iron Bolts, Brass Key	\$7 25
362.	3½ x 2½ inch, Iron Front, and BRASS BOLTS, Brass Key	8 00

Keys for these Locks are Class No. 1.

ONE HALF DOZEN IN A BOX

MORTISE KNOB LOCKS.



No. 405, Flat Front.

No. 406, Left Hand Rabbeted Front.

FOR FRENCH WINDOWS AND NARROW STILE DOORS.

No. 405	4 1/2 x 10 inch, Flat Brass Front, Bolt and Hub, Brass Key.....	\$10 50
No. 406	4 1/2 x 2 inch, Rabbeted, Brass Front and Brass Bolts, Brass Hub and Key.....	\$7 50

Crank Knobs and T Handles on page 86 are suitable for these Locks.

Keys for these Locks are Class No. 76

ONE-HALF DOZEN IN A BOX

MORTISE DEAD SLIDING DOOR LOCKS.



FOR SLIDING BARN DOORS.

701. $3\frac{1}{4}$ x $4\frac{1}{2}$ inch, Iron Front, Curved Iron Bolt, $\frac{1}{2}$ Brass Key, 24 Changes.

Keys for this Lock are Class No. 77.

ONE HALF DOZEN IN A BOX

SLIDING DOOR KNOB LOCKS.



FOR HALL DOORS, ELEVATORS, ETC.

5½ x 3½ inch, FLAT Brass Front and Bolt, Brass Hub, Nickeled Steel Key, One Tumbler

Hardware for this Lock are Class No. 125

— ORDER DOZEN IN A BOX —

SLIDING DOOR KNOB LOCKS.



4 A 3 1/2 inch, ASPRAGAL Brass Tumbler and Brass Bolt. Brass Body, Nickel-plated Key. One Tumbler.

Keys for this Lock are Class No. 194.

ONLY IN A BOX WITH STOP.

194-10

194-11

MORTISE SLIDING DOOR LOCKS. WITH FLUSH SPRING PULLS.



FOR SINGLE DOORS SLIDING IN FLUSH WITH JAMB.

50. 5 1/2 x 3 1/2 inch, Flat Brass Front, Bolt and Pull, One Tumbler, Nickel Plated Key, with Two No. 190 Round Brass Escutcheons..... \$6.50

For No. 190 Round Brass Escutcheons see Page No. 60. Key—See Page No. 58.

BE PARTICULAR TO GIVE EXACT THICKNESS OF DOOR

RUTH, SONS & CO., DETROIT.

MORTISE SLIDING DOOR LOCKS.

WITH FLUSH SPRING PULLS.



No. 156 Striker. No. 156 Lock on Opposite Page.

1000 1/2 inch, Flat Brass Fronts, Bolt and Pulls, One Tumbler, *Washed*
 Key with Four No. 190 Round Brass Escutcheons.

For No. 120 Round Brass Escutcheons, see Page 45. 46 Keys for this Lock are

Is Ordering by Particulars for this Lock.
 1000 1/2 inch.

MORTISE SLIDING DOOR LOCKS.

WITH FLUSH SPRING PULLS.



No. 156 Lock. No. 156 Striker on Opposite Page.

For Description of Lock, See Opposite Page.

BULL, SONS & CO., DETROIT

MORTISE SLIDING DOOR LOCKS. WITH FLUSH SPRING PULLS.



No. 165 Striker. No. 165 Lock on Opposite Page.

PER SET

100 1/2 inch, ASTRAGAL BRASS FRONTS, Bolt and Pulls, One Tumbler, Nickel Plated
Front, with Four No. 190 Round Brass Escutcheons..

\$10 00

100 1/2 inch, Round Brass Escutcheons (see Page 56-57) Keys for this Lock are sold Sep. 25

IN ORDERING BE PARTICULAR TO GIVE EXACT DIMENSIONS FOR ORDER.

ONE SET IN A BOX

MORTISE SLIDING DOOR LOCKS.

WITH FLUSH SPRING PULLS.

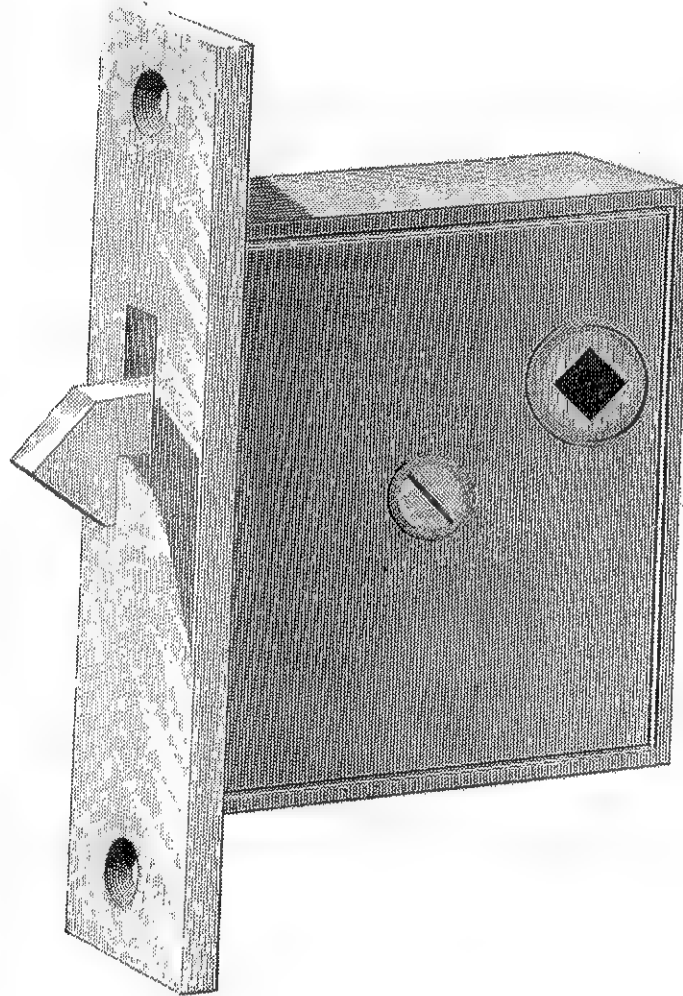


No. 165 Lock

No. 165 Striker on Opposite Page.

For Description of Lock, See Opposite Page.

MORTISE KNOB LATCHES.



FOR SLIDING DOORS.

No.
128

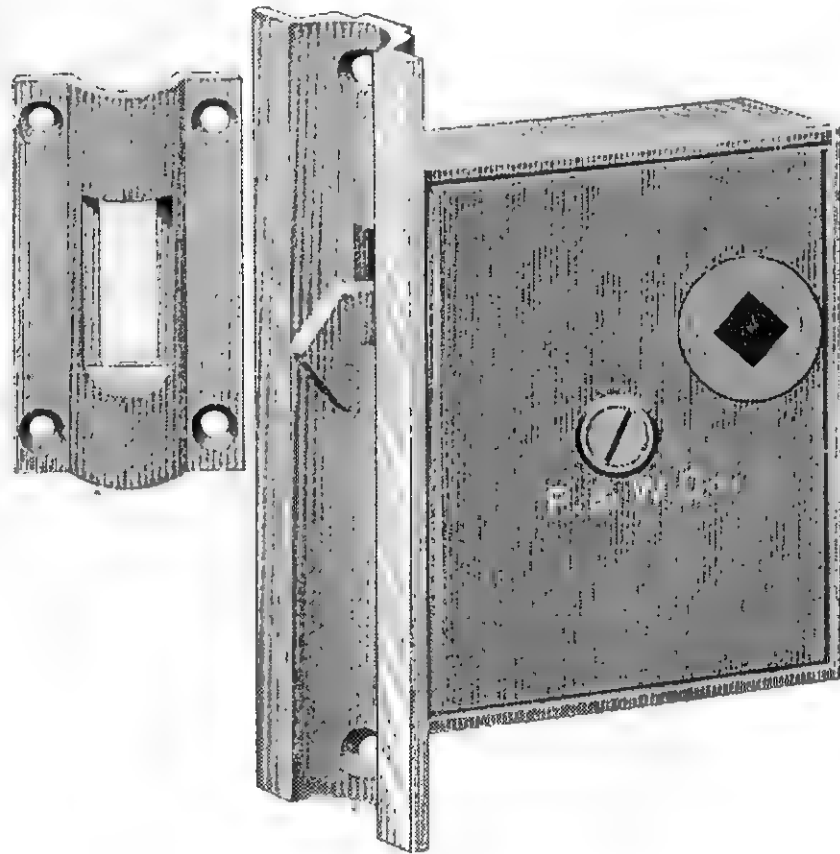
3½ x 2½ inch, FLAT Brass Front, Bolt and Hub...

E.L.C. 02
\$16.50

Flush Cups and T Handles suitable for these Latches see Page No. 119.

ONE HALF DOZEN IN A BOX

MORTISE KNOB LATCHES.



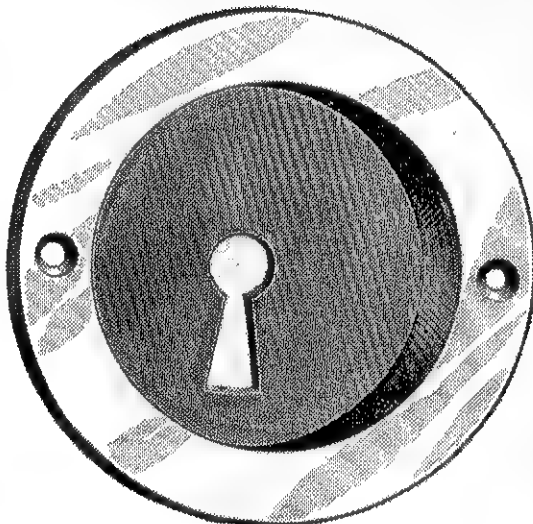
FOR SLIDING DOORS.

No.		PER DOZ
71	3 1/4 x 2 1/4 inch, ASTRAGAL Brass Front, Bolt and Hub...	\$18 00

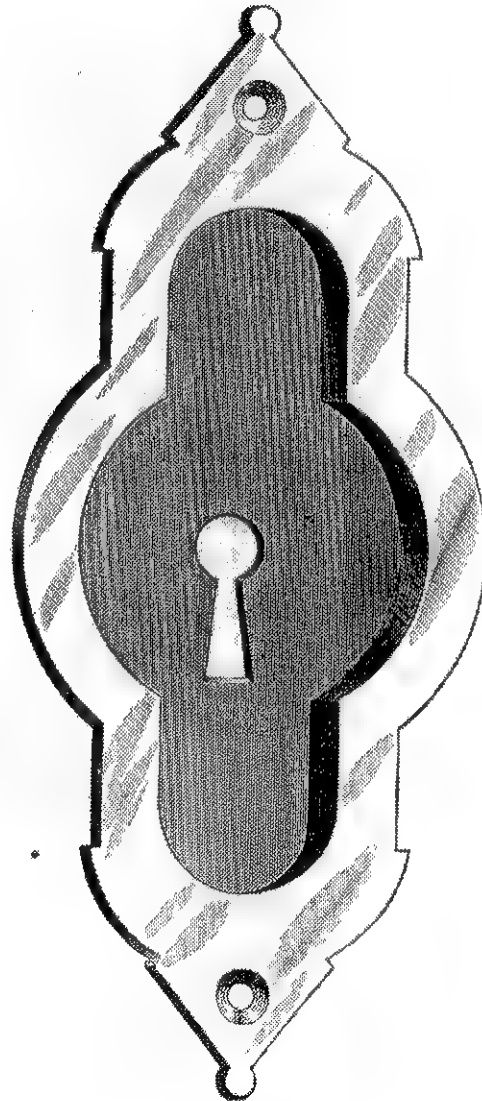
Flush Cups and T Handles suitable for these Latches, see Page No. 119

ONE HALF DOZEN IN A BOX

BRASS FLUSH SLIDING DOOR ESCUTCHEONS.



No. 190.



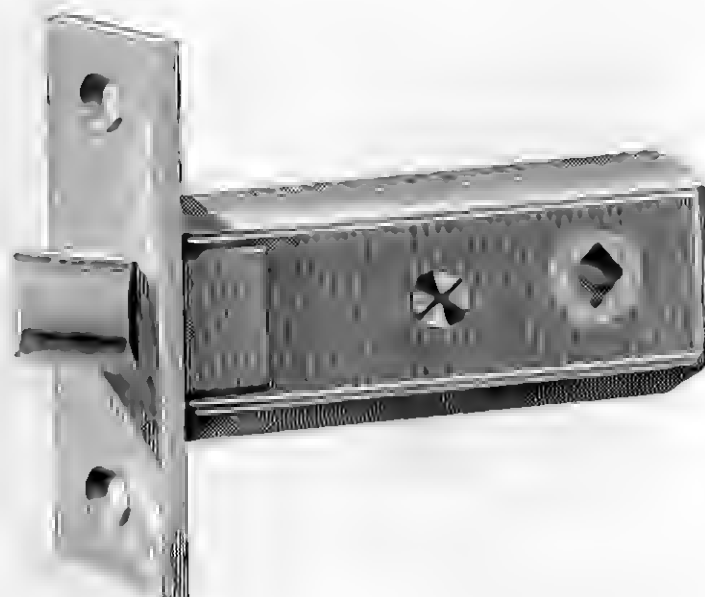
No. 193

No.		PER SET OF FOUR
190.	Brass, Round, with Screws.....	\$3 00
193.	Brass, Elongated, with Screws.....	4 50

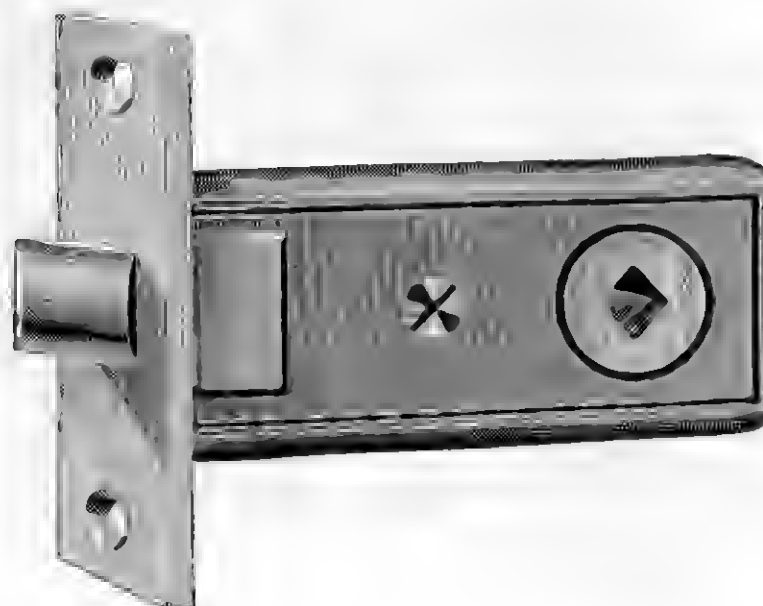
To be used with Sliding Door Locks on Pages No. 54 to 57

In Sets of Two, one half above prices

MORTISE KNOB LATCHES.



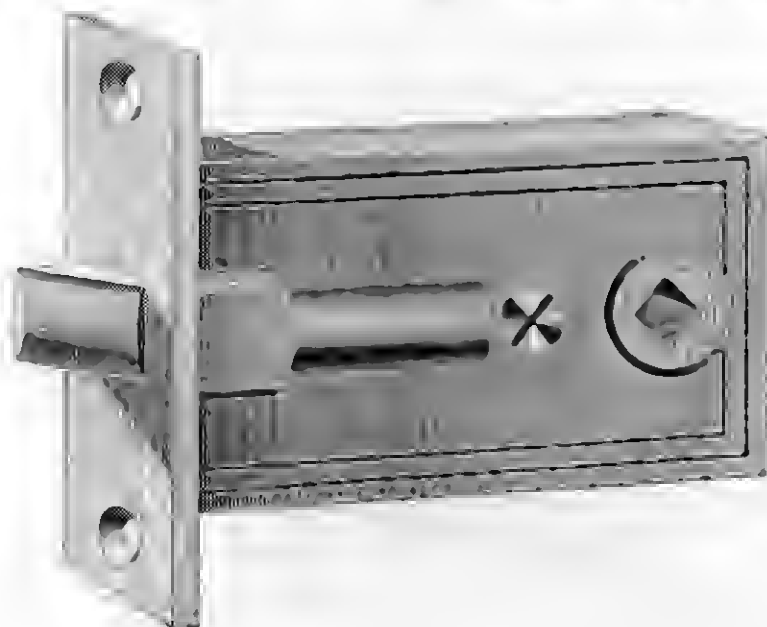
1 1/2 x 3 inch, Iron Front and Iron Bolt..... PER DOZ. \$1 60
ONE DOZEN IN A BOX.



1 1/2 x 3 1/2 inch, Iron Front and Iron Bolt..... PER DOZ. \$3 50
1 1/2 x 3 1/2 inch, Iron Front, Brass Bolt..... 4 50
1 1/2 x 3 1/2 inch, Brass Front, Brass Bolt..... 7 50

ONE DOZEN IN A BOX.

MORTISE KNOB LATCHES.



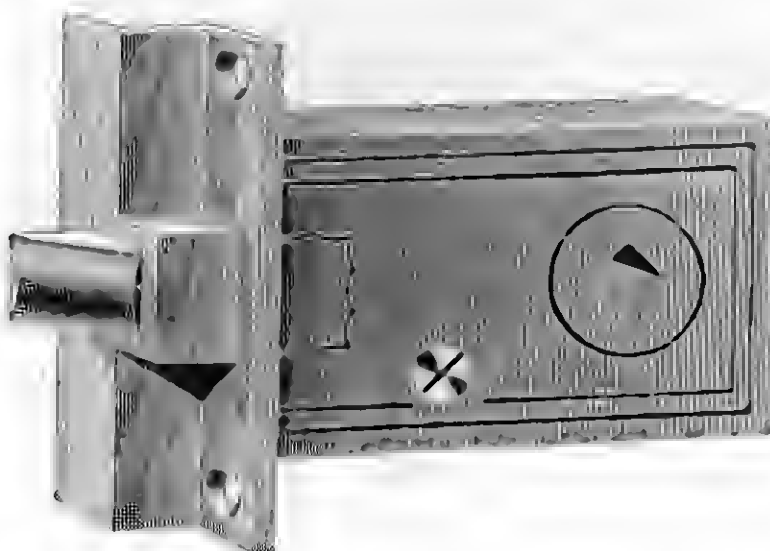
FOR THIN DOORS, 3-8 INCH THICK.

NO. 90. 1 1/2 x 3 1/2 inch, Iron Front, Iron Bolt.....

PER DOZ.
\$11.00

ONE DOZEN IN A BOX.

RABBETED MORTISE KNOB LATCHES



NO. 91. 1 1/2 x 3 1/2 inch, Iron Front, Brass Bolt and Hub.
NO. 92. 1 1/2 x 3 1/2 inch, Brass Front, Brass Bolt and Hub.

PER DOZ.
\$12.00
\$12.00

ONE DOZEN IN A BOX.

MORTISE DOOR LATCHES.



No. 6 1-2, Flat Front.



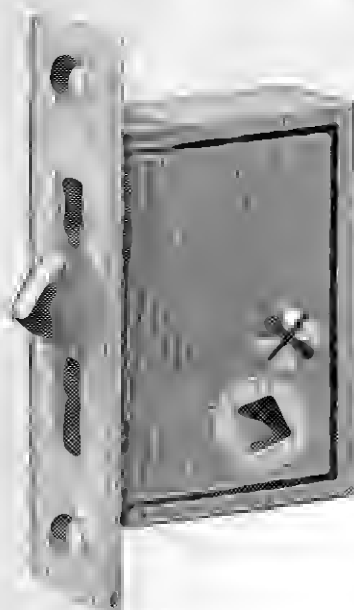
No. 6, Rabbeted Front.

FOR FRENCH WINDOWS, OR NARROW STILE DOORS.

		PER DOZ.
No. 6 1-2	2 1/2 x 11 inch, Flat Brass Front, Bolt and Hub...	\$19.00
No. 6	2 1/2 x 11 inch, Rabbeted, Brass Front Bolt and Hub...	21.55

Crank Handle and Crank T Handle (in page 36) are designed to be used with these Latches.

ONE HALF DOZEN IN A BOX, WITHOUT KNOB.



MORTISE TURNBUCKLES

FOR FRENCH WINDOWS, OR CUPBOARD DOORS.

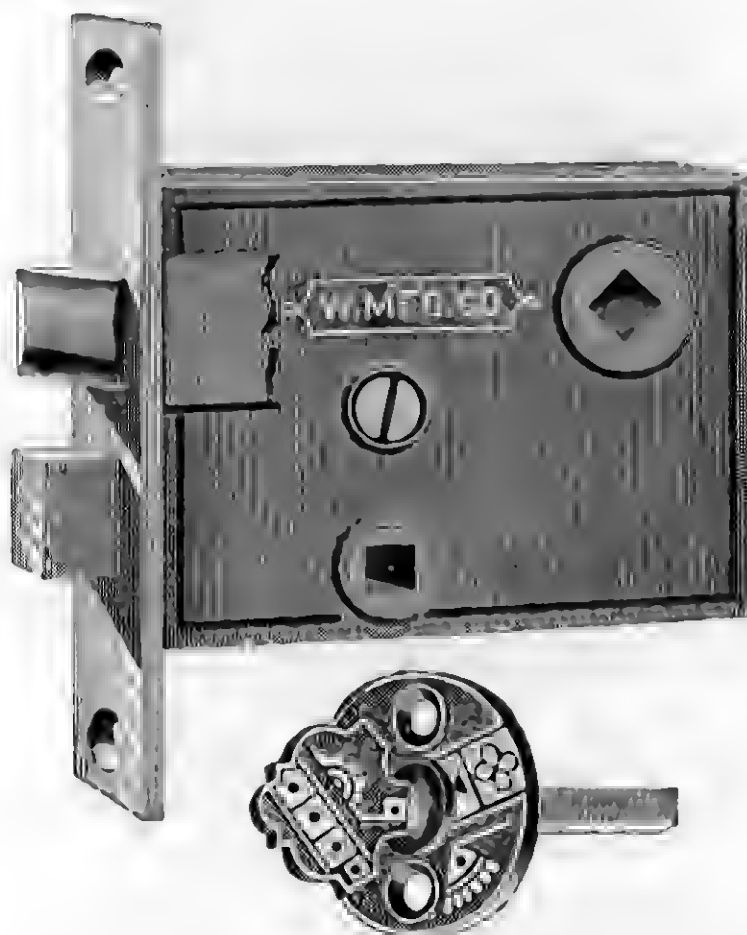
		PER DOZ.
No. 55	2 1/2 x 12 inch, Brass Front, Iron Bolt...	\$8.75

Turnbuckle Knobs No. 60, on Page No. 87 are designed for the above

ONE DOZEN IN A BOX, WITHOUT KNOB.

MORTISE KNOB LATCHES.

WITH THUMB BOLT ATTACHMENTS.



Nos. 40 and 43.

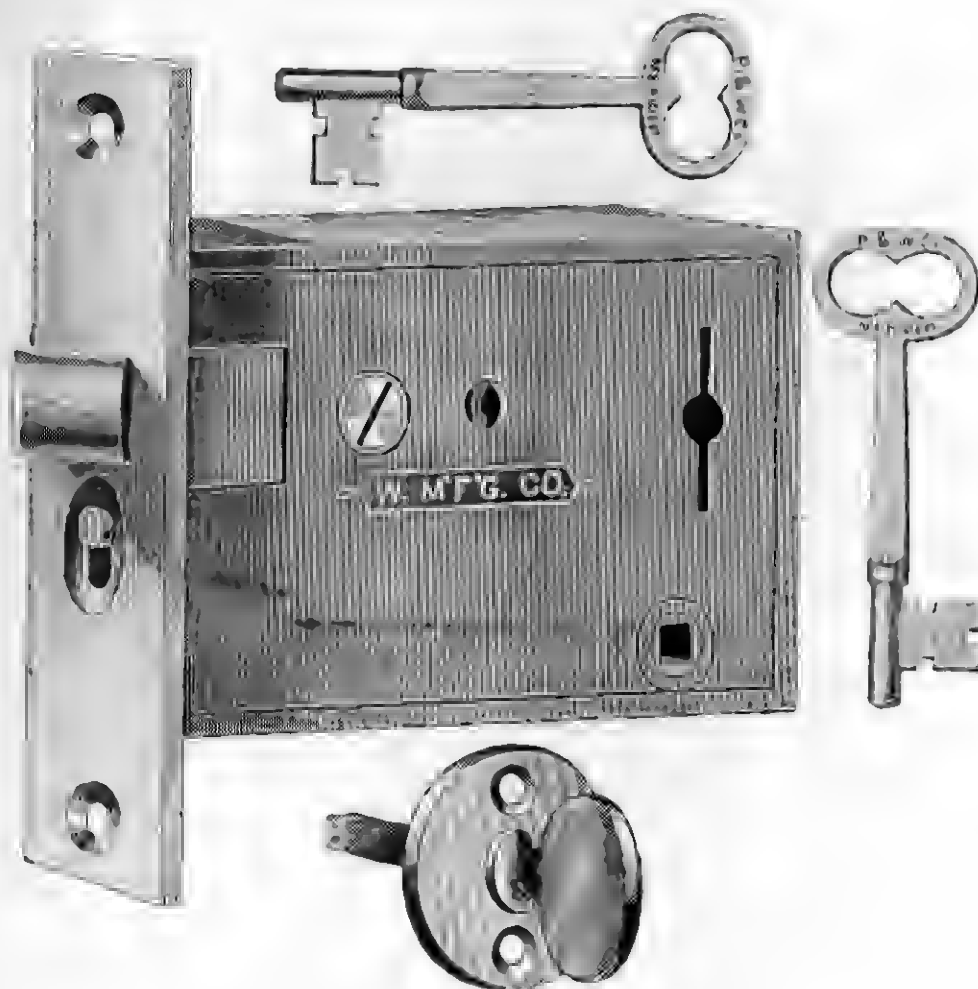
FOR BEDROOM DOORS, WATER CLOSETS, ETC.

NO.		FOR DOZ.
40.	3½ x 2½ inch, Iron Front, Iron Bolts, with No. 184½ Berlin Bronzed Thumb Knob,	\$ 8 00
43.	3½ x 2½ inch, BRASS Front, BRASS Bolts, with No. 5184, No. 10 Finish Thumb Knob,	17 75

(Genuine Bronze Metal Thumb Knobs on Page No. 69)

ONE-HALF DOZEN IN A BOX

MORTISE NIGHT LATCHES.



REVERSIBLE LATCH BOLTS.

For Right or Left Hand Doors.

4 1/2 inch, Brass Front and Bolt, Plated Thumb Knob and Plate, Two Nickel
Plated Steel Keys, Two Tumblers.

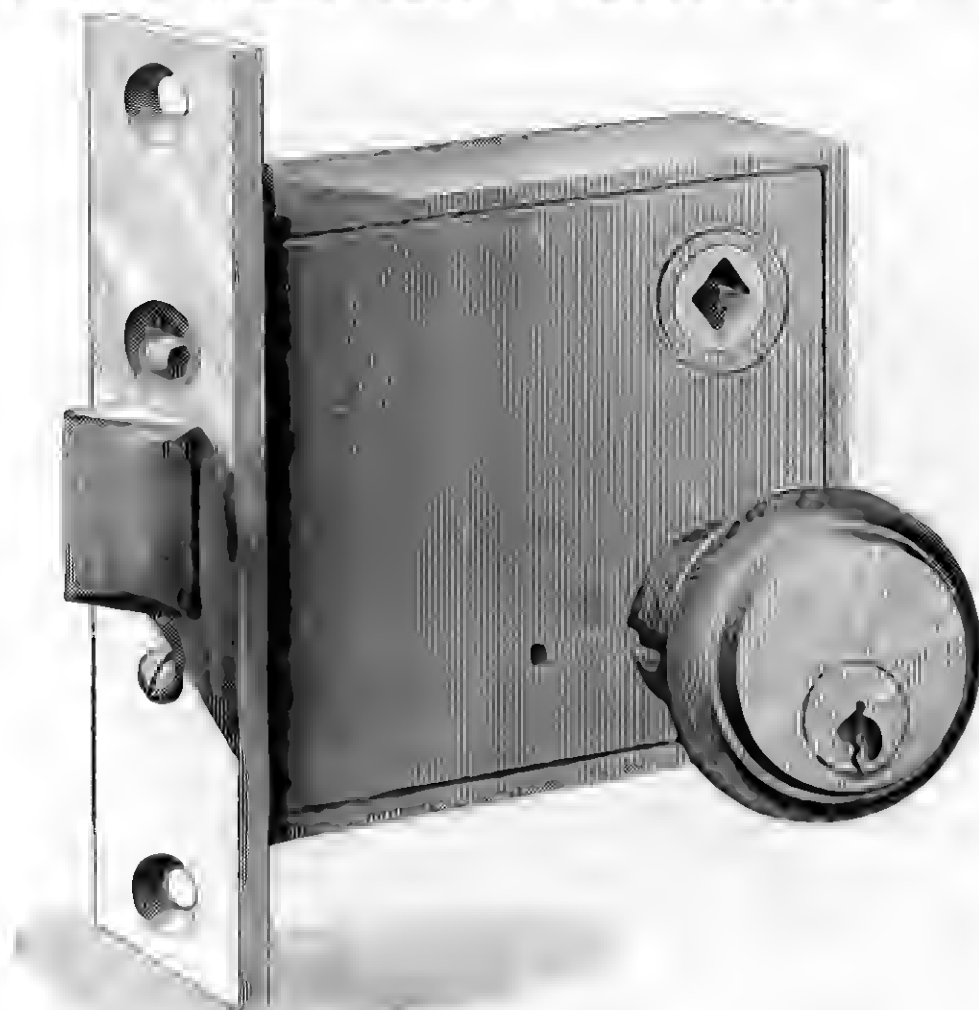
P. & O. 002.

\$28.00

Keys for this Lock are Class No. 134.

ONE HALF DOZEN IN A BOX

"YALE" MORTISE NIGHT LATCHES.



No. 70.

Adjustable to either Right or Left Hand. Operated by Key from outside and by Knob from inside.

With Three Keys, Five Tumblers, Thousands of Changes. No two sets of Keys alike.

70.	42	1/2 x 1 1/2 inches, Japanned Case, Hammered Bronze Flat Front, Knob, Rose and Escapement.
71.	13	1/2 x 1 1/2 inches, same as No. 70, with Plated Brass and Escapement Brass Front and Escapement Brass.
80.	13	1/2 x 3 1/2 inches, Japanned Case, Hammered Bronze Escapement, Knob, Rose and Escapement.

PER DOZ.

\$4.00

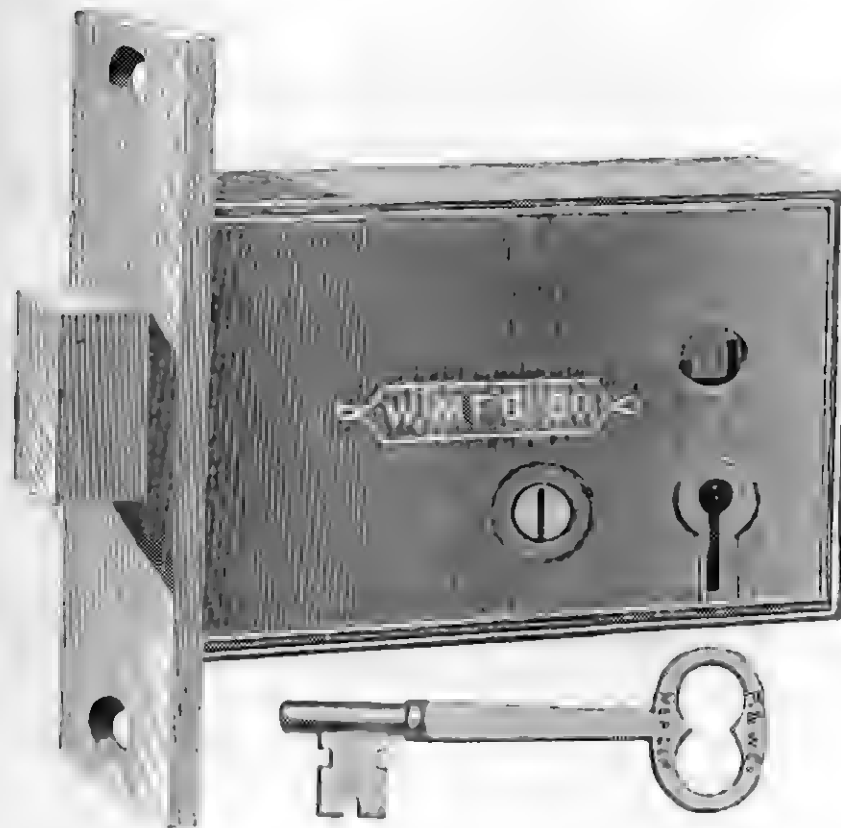
\$4.00

\$4.00

ONE IN A BOX WITH PRINTED DIRECTIONS FOR LOCKING.

BUHL SONS & CO., DETROIT.

MORTISE DEAD LOCKS.

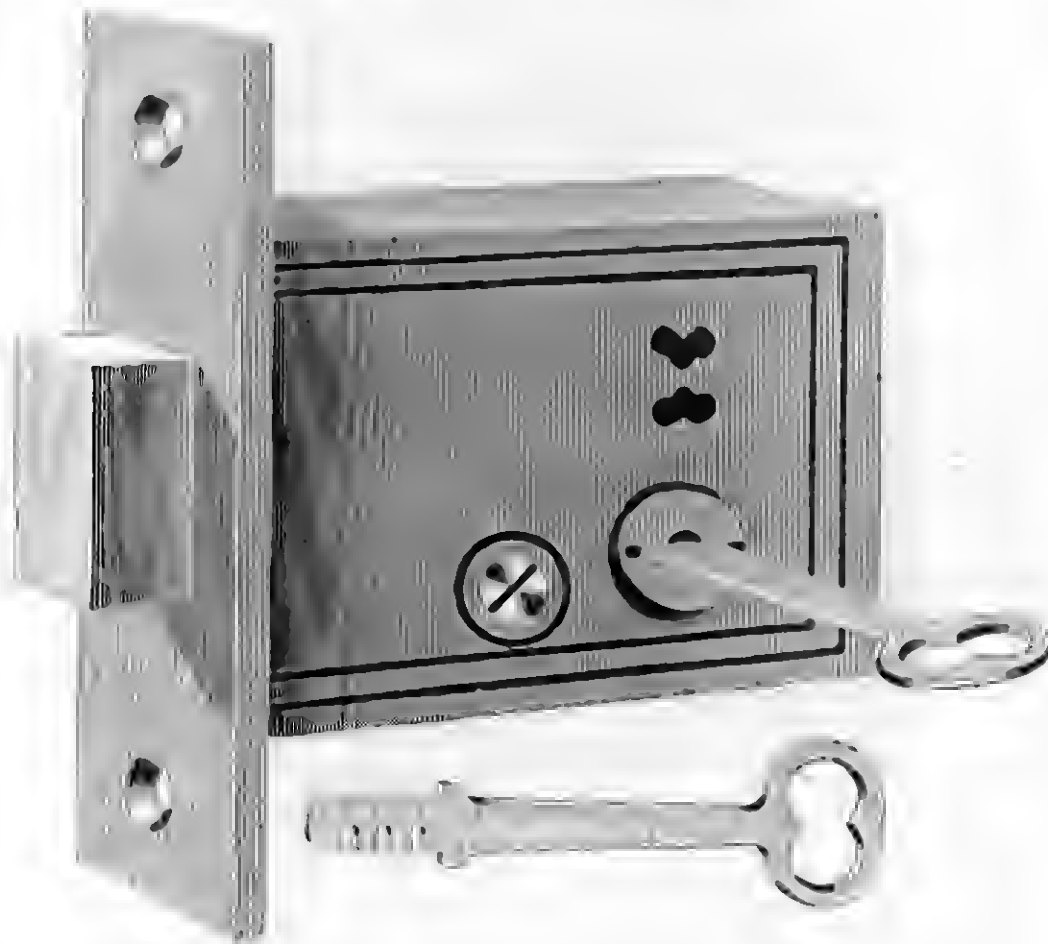


100	2 1/2 inch, Iron Front and Bolt, Tinned Malleable Key	11 1/2 inch	4.00
101	2 1/2 inch, Brass Front, Brass Bolt, Brass Key	11 1/2 inch	5.00
102	2 1/2 inch, Iron Front and Bolt, Nickel Plated Steel Key, One Position	11 1/2 inch	10.00

Registered in U.S. Patent Office, Class No. 101
 Key for No. 100 Locks are Class No. 1
 Keys for No. 26 Locks are Class No. 134.

ONE-HALF DOZEN IN A BOX

HEAVY MORTISE STORE DOOR DEAD LOCKS.



No. 341.

HEAVY BRASS FLAT FRONTS. FLAT STEEL KEYS.

No.		Per Doz.
341	2½ x 3¼ inch, Heavy Flat Brass Front and Bolt, Five Tumblers, Two Nickel Plated Steel Keys, Revolving Key-Hole Bushing	\$60.00

HEAVY BRASS RABBETED FRONTS.

No.		Per Doz.
342	2½ x 3¼ inch, Heavy Brass Rabbeted Front and Bolt, Five Tumblers, Two Nickel Plated Steel Keys, Revolving Key-Hole Bushing	\$60.00

Locks Nos. 186 and 2187 on pages No. 72 and 75 are designed for the above locks.

Keys for these locks are Class No. 300.

ARTER DOZEN IN A BOX WITHOUT EXCEPTIONS

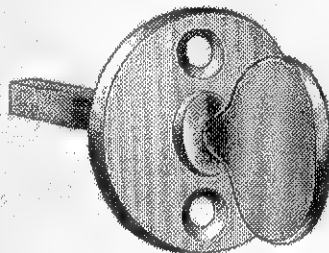
KEY TAGS.



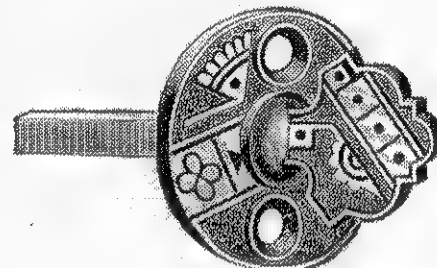
KEY TAG.

		PER DOZ.
30.	Brass Key Tag, with Ring.....	.35
31.	Brass Key Tag, with Ring and Numbered.....	.55

THUMB KNOBS.



No. 1834.



Nos. 1844, 2184 and 5184.

		PER DOZ.
1834.	Nickel Plated, $\frac{1}{4}$ inch Spindle.....	\$4 00
1844.	Berlin Bronzed, $\frac{1}{4}$ inch Spindle.....	2 00
5184.	Bronzed Iron, No. 10 Finish, $\frac{1}{4}$ inch Spindle.....	2 75
2184.	Bronze Metal, No. 3 Finish, $\frac{1}{4}$ inch Spindle.....	4 00

SIDE KNOB SCREWS.

		PER GROSS.
	Iron, Blued.....	\$ 34
	Silver Plated.....	1 15

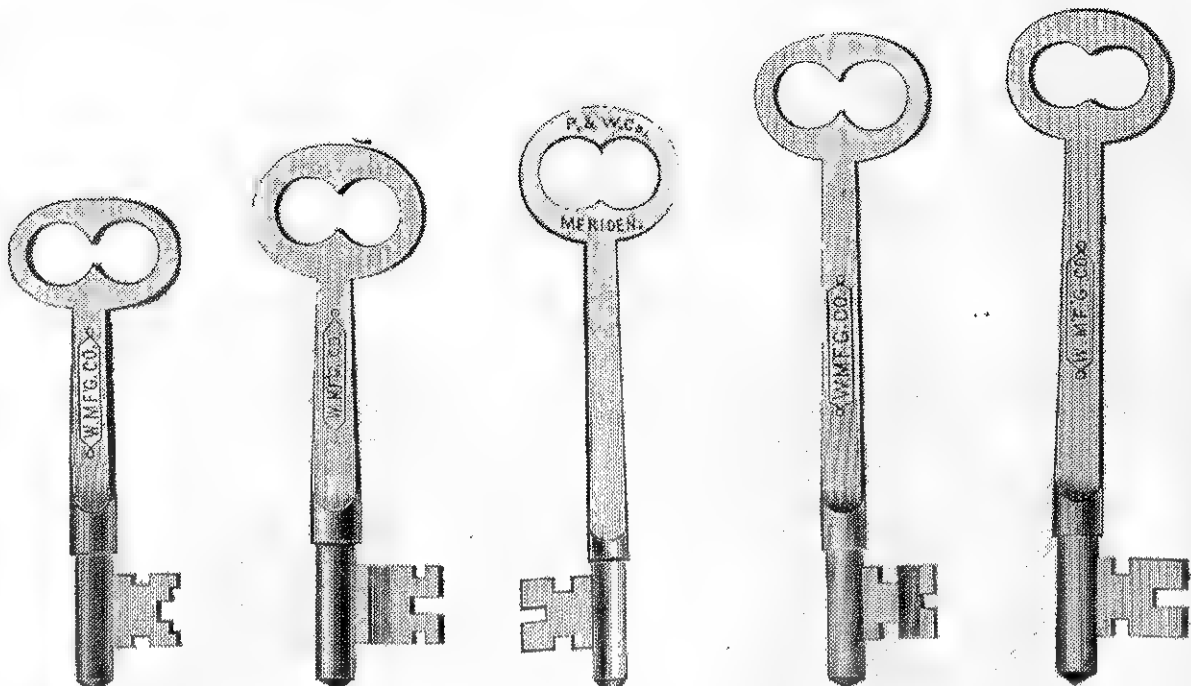
RIM LOCK AND LATCH STRIKERS.

		PER DOZ.
1.	Iron, Japanned, Small.....	\$ 75
2.	Iron, Japanned, Medium.....	1 00
3.	Iron, Japanned, Large.....	1 75

MORTISE LOCK and LATCH STRIKERS

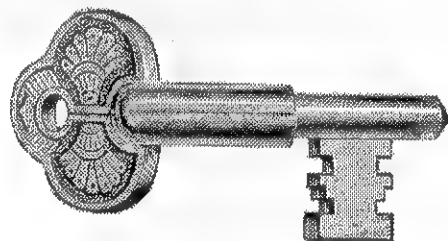
		PER DOZ.
4.	Iron, Polished, Small.....	\$ 75
5.	Iron, Polished, Medium.....	1 00
6.	Iron, Polished, Large.....	1 50
7.	Cast Brass, Polished, Small.....	1 50
8.	Cast Brass, Polished, Medium.....	2 75
9.	Cast Brass, Polished, Large.....	3 50

FULL SIZE CUTS OF DOOR KEYS.

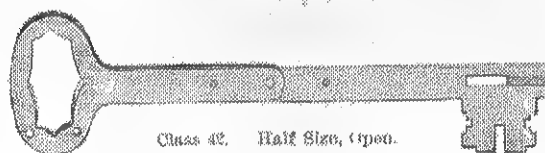
Class 130, Malleable.
Class 131, Steel.

Class 135.

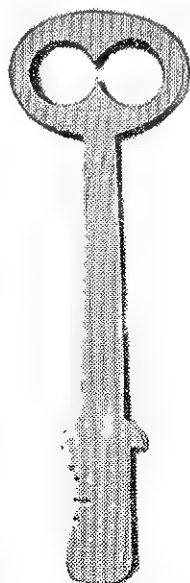
Class 235.

Class 143, Malleable.
Class 144, Steel.Class 145, Malleable.
Class 146, Steel.

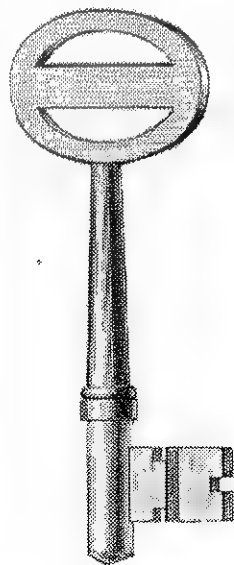
Class 80.



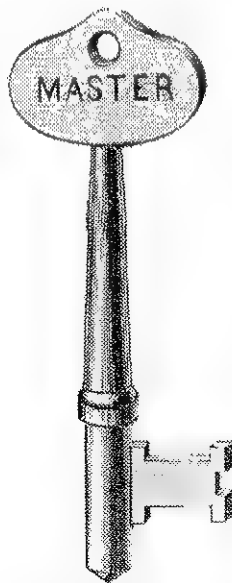
Class 42. Half Size, (open).



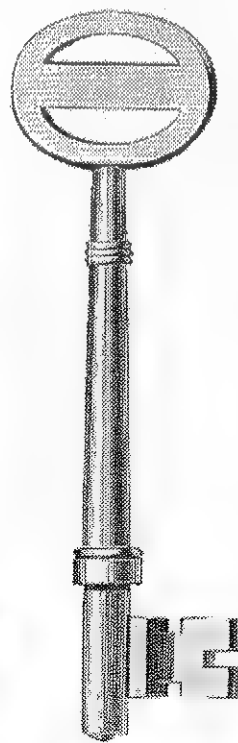
Class 58.



Class 2.



Class 31.



Class 1.



Class 11.

For Descriptions see Opposite Page

Please paste this in our 1884 Catalogue so as to face page 70.

71A

DOOR KEYS.

*55.	Mortise Tinned Iron Keys.....	PER DOZ.	.75
*65.	Rim Tinned Iron Keys.....		.95

*These Keys are assorted, having six Crooked and six Straight Bit Keys to the dozen.

Packed three Dozen Keys in a box.

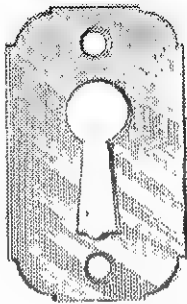
ALL KEYS ON PAGE 71 ARE PACKED IN BOXES OF THREE DOZEN EACH.

76.	For Locks 405 and 408.....		
77.	For Locks 701.....	3	75
80.	For Locks 150, 156, 165, 2140, 2141, 2143, 2144, 2146, 2147, 02150, 02153, 02156, 02159, 02165, 02168, 03150, 03160, 03165, 05150, 05160 and 05165.....	7	50
101.	For Locks 88.....		.45
125.	For Locks 214.....		.70
126.	For Locks 215 and 2154.....	2	00
130.	For Locks 310.....		.70
131.	For Locks 311, 317, 318, 319, 413, 2501, 2503, 3500 and 3501.....	2	00
133.	For Locks 323 and 324.....	2	00
134.	For Locks 28, 97, 7476, 7477 and 7478.....	2	00
135.	For Locks 53, 54, 520, 525, 607, 2039, 2054, 2520, 7610, 7611, 7612, 7627, 7629, 7630,	2	50
137.	For Locks 2614, 2615, 2616, 2617, 7603, 7604.....	3	00
139.	For Locks 445, 752, 2558, 2658, 03555, 05555 and 7771.....	2	50
1391.	For Locks 445, 446, 7524, 2558, 25584, 2658, 26584, 03555, 05555, 7555, 7771, 77714,	2	00
142.	For Locks 2590, 2661, 7457 and 7587.....	3	00
1424.	For Locks 2590, 25904, 2661, 26614, 74554, 7457, 7587 and 75874.....	2	50
143.	For Locks 220, 1335, 1337, 1340, 1420, 14204 and 1425.....		.70
144.	For Locks 1336, 1338, 1339, 1341, 1342, 1421, 1426, 1431, 14314 and 1432.....	2	50
145.	For Locks 1435.....		.70
146.	For Locks 1497, 1597, 1598, 15984, 1600 and 1621.....	2	50
200.	For Locks 341, 343, 2106, 2107, 5106 and 5107.....	4	50
225.	For Locks 26.....	2	50
230.	For Locks 225, 2254, 267 and 2674.....	2	50
235.	For Locks 190 and 192.....	2	25

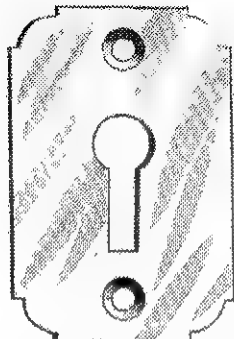
DOOR KEYS, WITH THICK BITS, ASSORTED.

CLASS		PRICE
16.	Brass Mortise Key Blanks, Thick Bit.....	\$1 20
34.	Brass Rim Key Blanks, Thick Bit.....	1 15
103.	Malleable Iron Mortise Keys, Thick Bit.....	.30
110.	Malleable Iron Rim Keys, Thick Bit.....	.45
12.	Brass Rim Key Blanks, Thick Bit, for Store Door Locks.....	7 50

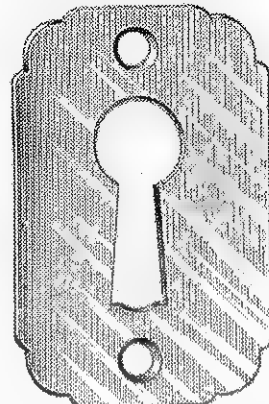
NICKEL PLATED ESCUTCHEONS.



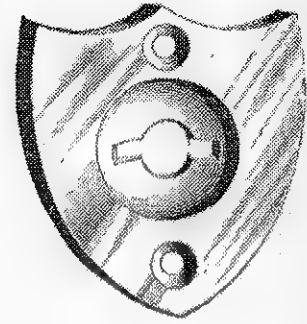
No. 6N.



No. 7N.

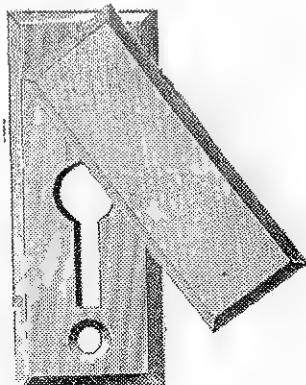


No. 4N.

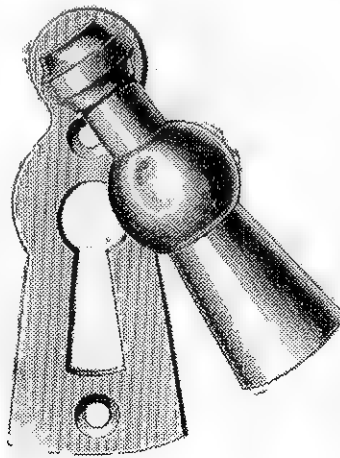


No. 186.

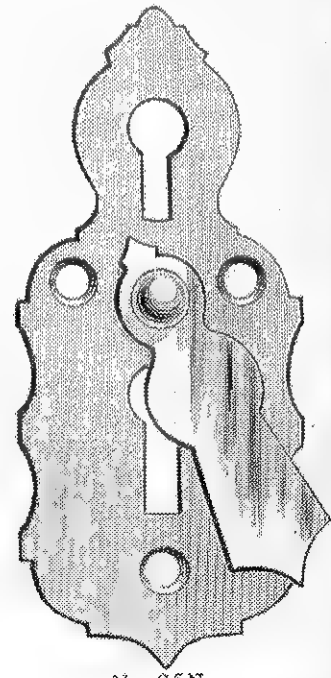
NO.		PER SINGLE DOOR
6N.	$\frac{3}{4}$ inch Key Hole, Nickel Plated, for Thick Bit Keys.....	\$1 00
8N.	1 inch Key Hole, Nickel Plated, for Thick Bit Keys.....	1 00
4N.	$1\frac{1}{2}$ inch Key Hole, Nickel Plated, for Thick Bit Keys.....	1 00
7N.	$\frac{3}{4}$ inch Key Hole, Nickel Plated, for Thin Bit Keys.....	1 00
186.	$\frac{3}{4}$ inch Key Hole, Nickel Plated, for Flat Steel Keys.....	4 50



No. 13.



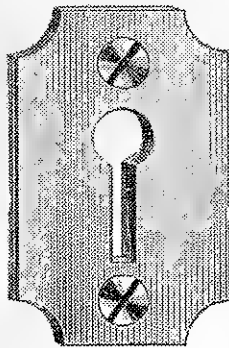
No. 12.



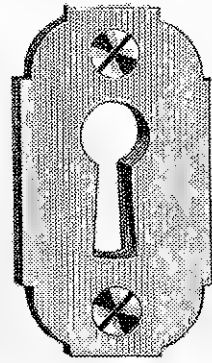
No. 65N.

NO.		PER SINGLE DOOR
13.	$\frac{1}{2}$ inch Key Hole, Nickel Plated, for Thick Bit Keys.....	\$6 00
12.	1 inch Key Hole, Nickel Plated, for Thick Bit Keys.....	6 00
65N.	Nickel Plated, for all $4\frac{1}{2}$ inch Front Door Locks.....	8 25

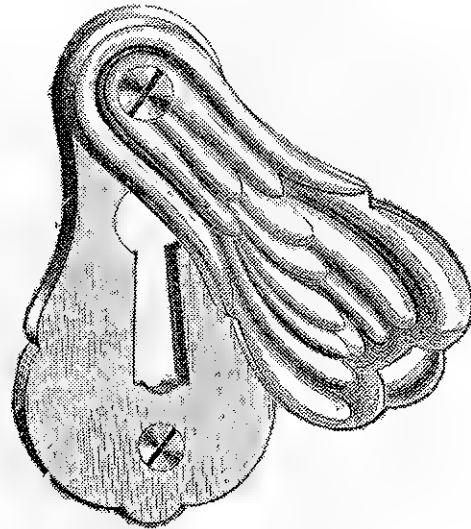
PORCELAIN ESCUTCHEONS.



No. 25



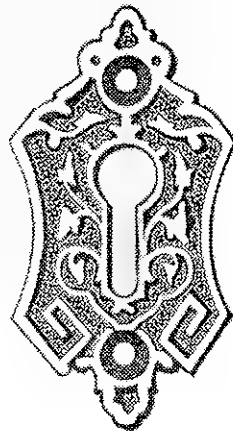
No. 31.



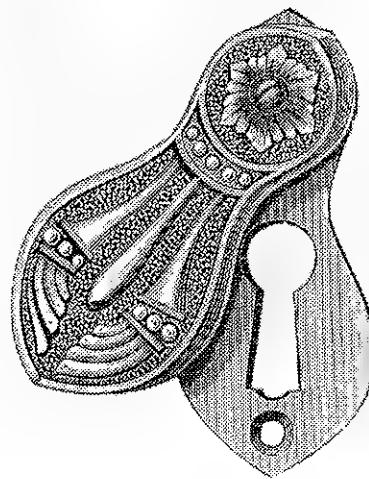
No. 16.

No.		PER SINGLE DOZ.
25.	$\frac{1}{2}$ inch Key Hole, Porcelain, for Thin Bit Keys.....	\$ 75
31.	$\frac{3}{8}$ inch Key Hole, Porcelain, for Thick Bit Keys.....	75
16.	1 inch Key Hole, Porcelain Drop, Nickel Plated Base, for Thick Bit Keys.....	3 00

HEMACITE ESCUTCHEONS.



No. 617

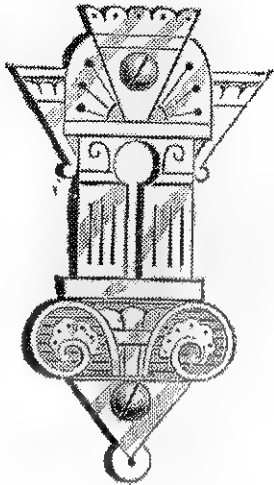


No. 515

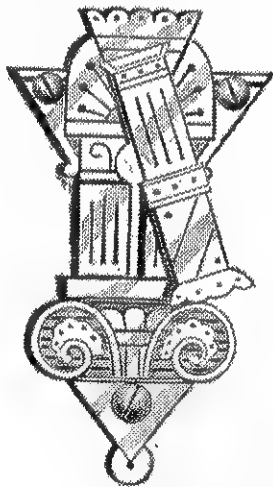
No.		PER SINGLE DOZ.
617.	Sed Brown, Hemacite Plate Escutcheons.....	\$ 75
515.	Sed Brown, Hemacite Drop Escutcheons.....	1 00

BRONZED IRON ESCUTCHEONS.

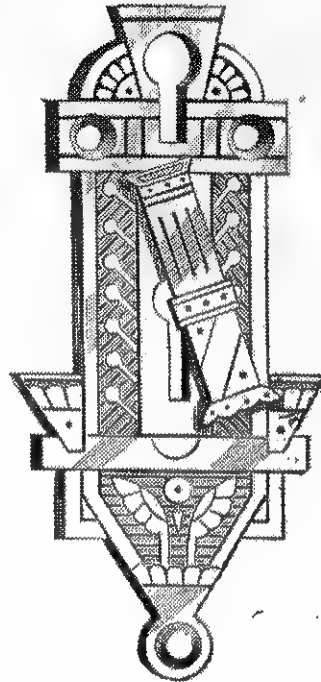
FULL SIZE CUTS



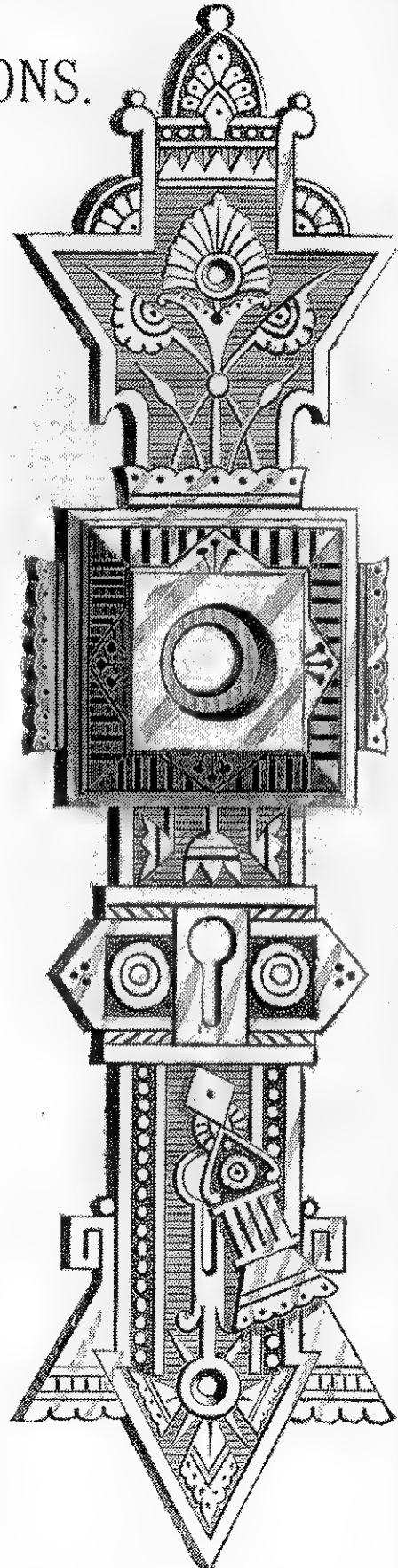
Nos. 3172 and 5172.



No. 5171.



Nos. 3170 and 5170.



Nos. 3720 and 5720.

BERLIN BRONZED.

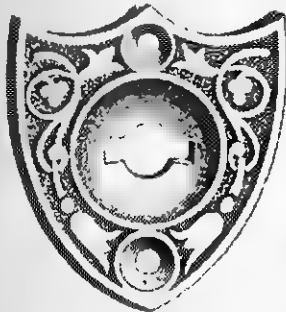
NO.		PER SINGLE DOZ.
3172.	$\frac{3}{4}$ inch Key Hole, for Thin Bit Keys.....	\$1 15
3170.	For all $4\frac{1}{2}$ inch Front Door Locks.....	2 25
5720.	For all $4\frac{1}{2}$ inch Front Door Locks.....	9 00

BRONZED IRON, No. 10 FINISH.

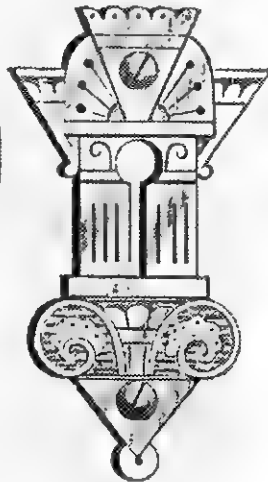
NO.		PER SINGLE DOZ.
5172.	$\frac{3}{4}$ inch Key Hole, for Thin Bit Keys.....	\$1 25
5171.	$\frac{3}{4}$ inch Key Hole, for Thin Bit Keys.....	2 00
3170.	For all $4\frac{1}{2}$ inch Front Door Locks.....	3 00
5720.	For all $4\frac{1}{2}$ inch Front Door Locks.....	12 00

BRONZE METAL ESCUTCHEONS.

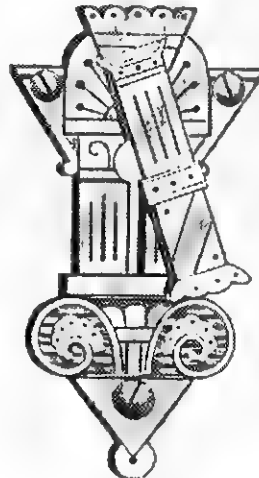
FULL SIZE CUTS



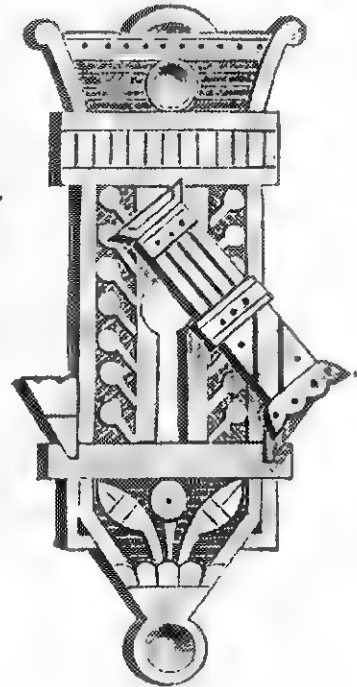
No. 2187



No. 2172.



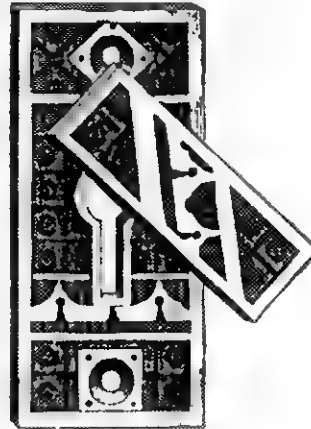
No. 2171.



No. 2174.



No. 2182



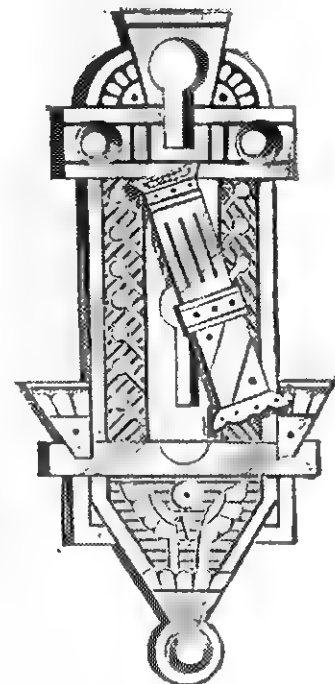
No. 2181.

BRONZE METAL, No. 3 FINISH.

No.			
2187.	1	inch Key Hole, for Thin Bit Key..	1.35
2172.	1	inch Key Hole, for Thin Bit Key	.25
2171.	1	inch Key Hole, for Thin Bit Key..	.50
2174.	1	inch Key Hole, for Thin Bit Key..	.70
2182.	1	inch Key Hole, for Thin Bit Key	.35
2181.	1	inch Key Hole, for Thin Bit Key.	.60
2170.		For all 4 1/2 inch Front Door Locks.	.60

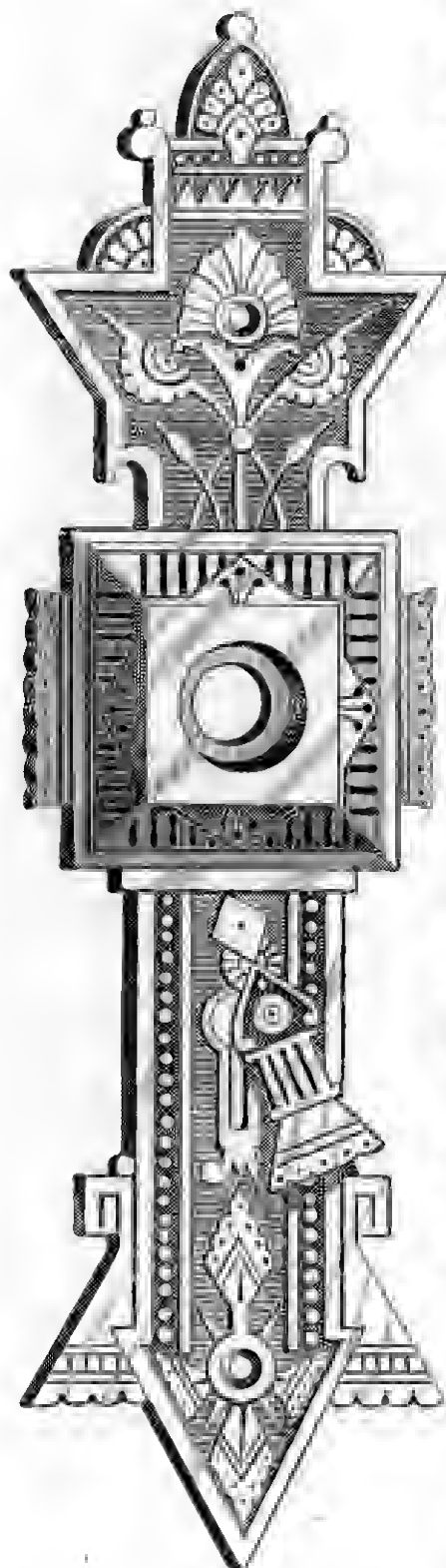
BRONZE METAL No. 1 FINISH.

No.			
2172.	1	inch Key Hole, for Thin Bit Key.25
2171.	1	inch Key Hole, for Thin Bit Key	.50



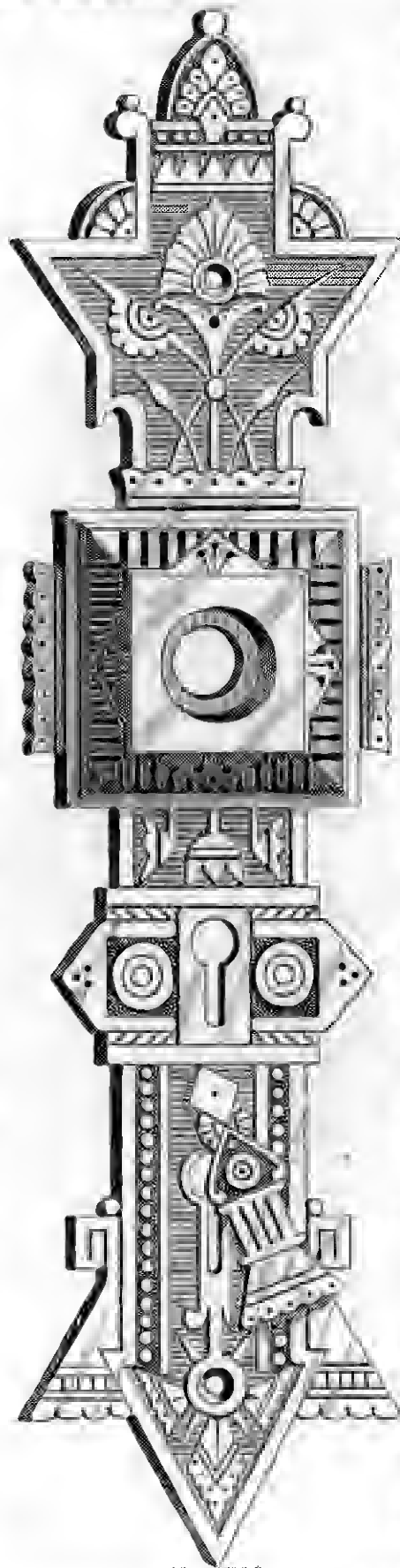
No. 2170

BRONZE METAL ESCUTCHEONS.



No. 2721.

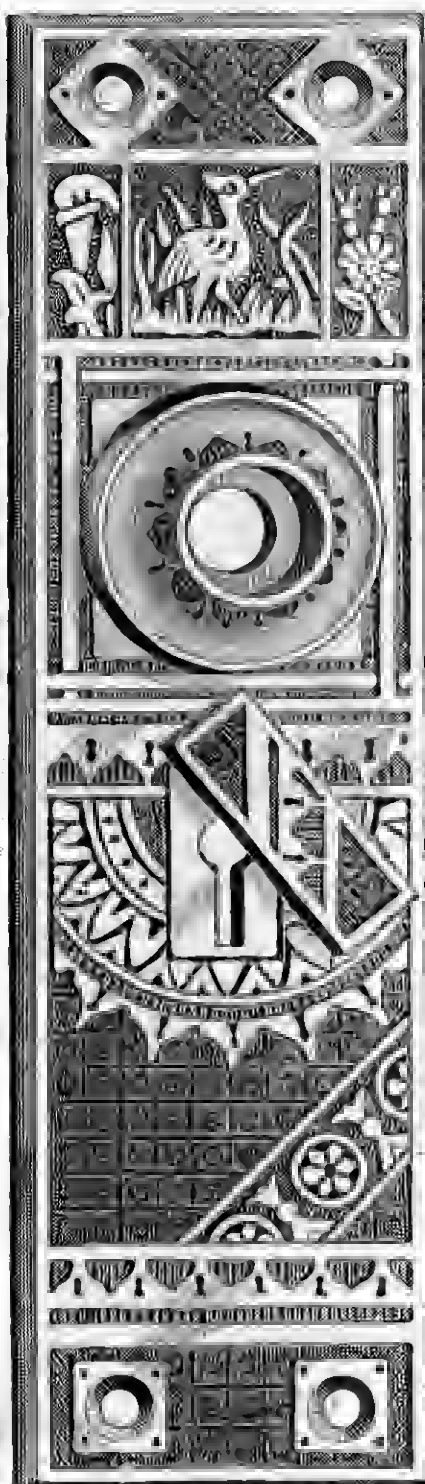
No. 2721. Bronze Metal, No. 3 Finish, for all 4½ Inch Locks. Full Size Cut. . . \$1 10 each.



No. 2720.

No. 2720. Bronze Metal, No. 3 Finish, for all 4½ Inch Locks. Full Size Cut. . . \$1 35 each.

BRONZE METAL ESCUTCHEONS.



No. 2733 and 2735
Full Size Cut.

No. 2738.
No. 2739.

Bronze Metal, No. 3 Finish, for all 3 1/4 Inch Locks
Bronze Metal, No. 3 Finish, for all 4 Inch Locks

27 3/4 inch
1 1/2 inch



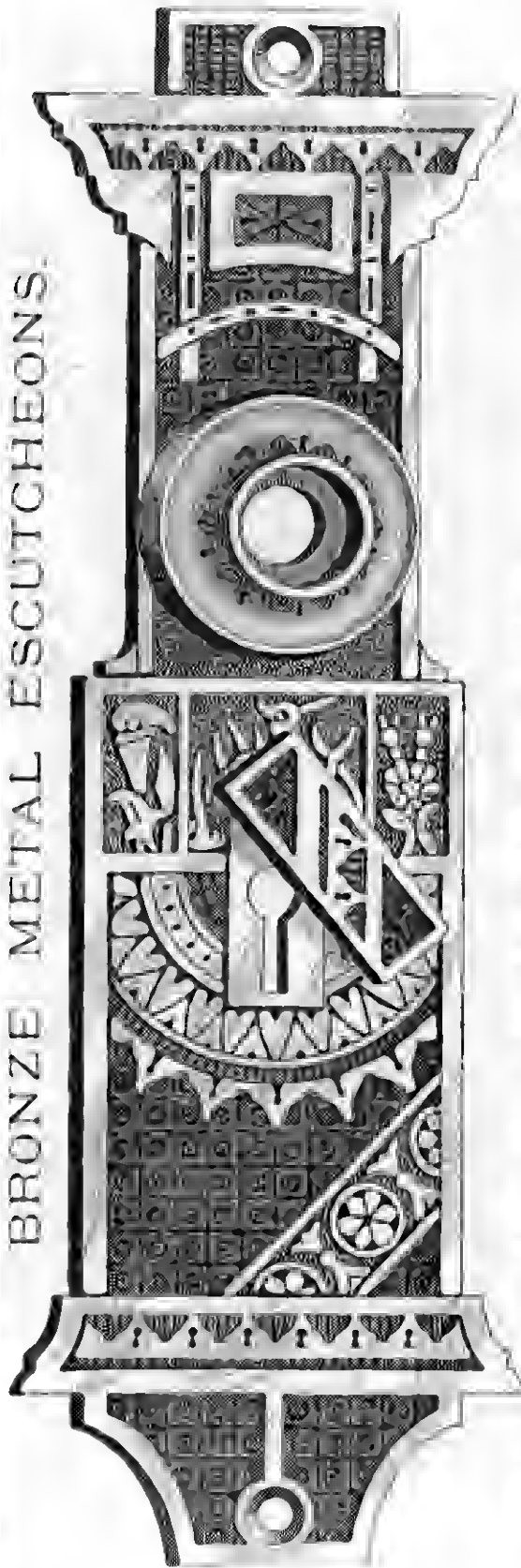
No. 2732 and 2734.
Full Size Cut.

No. 2732.
No. 2734.

Bronze Metal, No. 3 Finish, for all 3 1/4 Inch Locks.
Bronze Metal, No. 3 Finish, for all 4 Inch Locks.

27 3/4 inch
1 1/2 inch

BRONZE METAL ESCUTCHEONS.



No. 2731. Bronze Metal, No. 3 Finish, for all 4 inch Locks.

\$4.50 each.



No. 2732. Bronze Metal, No. 8 Finish, for all 4 inch Locks.

\$2.25 each.

757

DELL & SONS & CO., DETROIT.

ROSE AND ESCUTCHEON, Combined.



How, 2501, 2502 and 2503, Knobs and Escutcheons.

ESCUTCHEONS.

2501	Recessed Iron, No. 10 Finish, for all 3/4 inch Locks.	1.00
2502	Recessed Metal, No. 3 Finish, for all 3/4 inch Locks.	1.00
2503	Recessed Metal, No. 3 Finish, for all 1/2 inch Locks.	0.75

LOCKS, KNOBS AND ESCUTCHEONS, IN SETS.

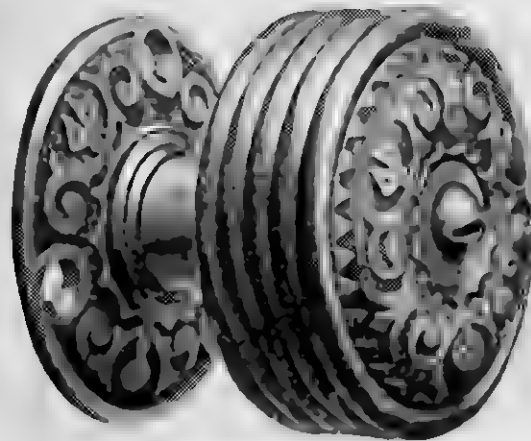
2501	Locks 2501, Knobs 2501, Escutcheons 2501.	2.00
2502	Locks 2501, Knobs 2501, Escutcheons 2502.	2.00
2503	Locks 2501, Knobs 2501, Escutcheons 2503.	2.00
2504	Locks 2501, Knobs 2501, Escutcheons 2504.	2.00

For Locks on this page see page 758 and 759.
For Knobs on this page see page 758 and 759.

WILLIAMS & CO., DETROIT

1884

PHIPPS PATENT DOOR KNOBS.



Nos. 203, 204 and 207

WOOD KNOBS FOR MORTISE LOCKS

FOR INSIDE DOORS

100	Selected Walnut	{ Polished Brass Necks and Roses	{	11 00
105	Selected Ash			12 50
108	Selected Mahogany			13 50

BRONZE METAL KNOBS FOR MORTISE LOCKS

FOR INSIDE OR OUTSIDE DOORS

200	Polished	{ Bronze Metal No. 1 Finish	{	10 00
204	Polished			10 00
207	Polished			10 00

JET KNOBS FOR MORTISE LOCKS

300	Japaned Necks, Nickelod Roses and Screws	PER DOZ.	\$5 00
304	Nickelod Necks, Roses and Screws		7 00

PORCELAIN KNOBS FOR MORTISE LOCKS.

400	Japaned Necks, Roses and Screws	PER DOZ.	\$2 00
404	Japaned Necks, Nickelod Roses and Screws		3 00
408	Nickelod Necks, Roses and Screws		7 00

JET KNOBS FOR MORTISE LOCKS

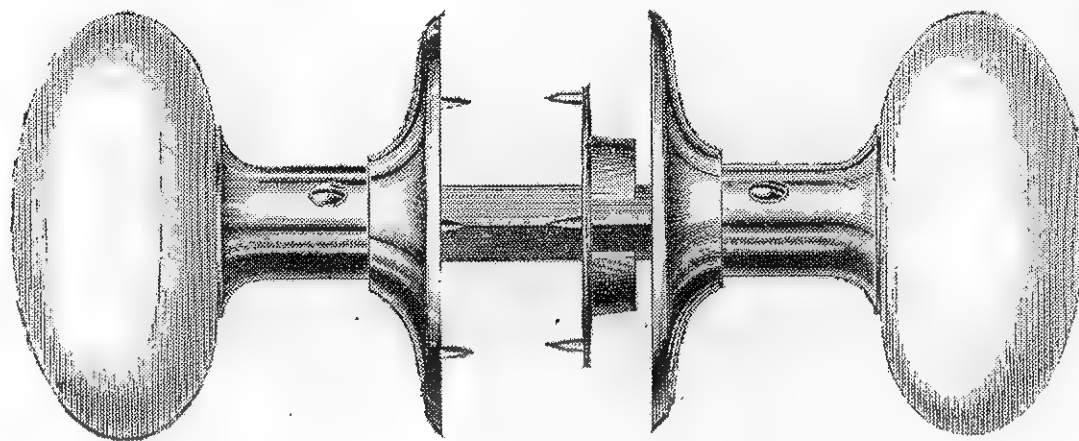
500	Japaned Necks, Nickelod Roses and Screws	PER DOZ.	\$5 00
504	Nickelod Necks, Roses and Screws		7 00
508	Brass Metal Neck and Screws, Ornamental, Bronze Metal, Rose, No. 1 Finish		10 00

WOOD KNOBS FOR MORTISE LOCKS.

FOR INSIDE DOORS.

600	Selected Walnut	{ Nickelod Necks, Roses and Screws	{	12 00
605	Selected Ash			12 00
608	Selected Mahogany			12 00
700	Selected Walnut	{ Bronze Metal Necks and Screws, Ornamental, Bronze Metal	{	14 00
705	Selected Ash			14 00
708	Selected Mahogany			14 00

MINERAL DOOR KNOBS.

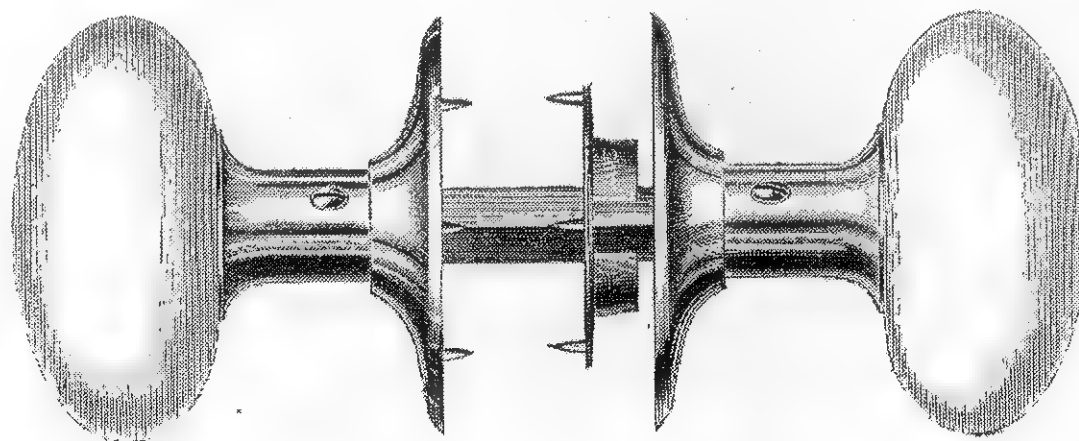


No. 200.

JAPANNED MOUNTINGS.

No.		PER DOZ.
200.	2½ inch, Mortise Mineral Knobs, Japanned Mountings.....	\$2 00
201.	2½ inch, Rim Mineral Knobs, Japanned Mountings.....	2 00

PORCELAIN DOOR KNOBS.



No. 400.

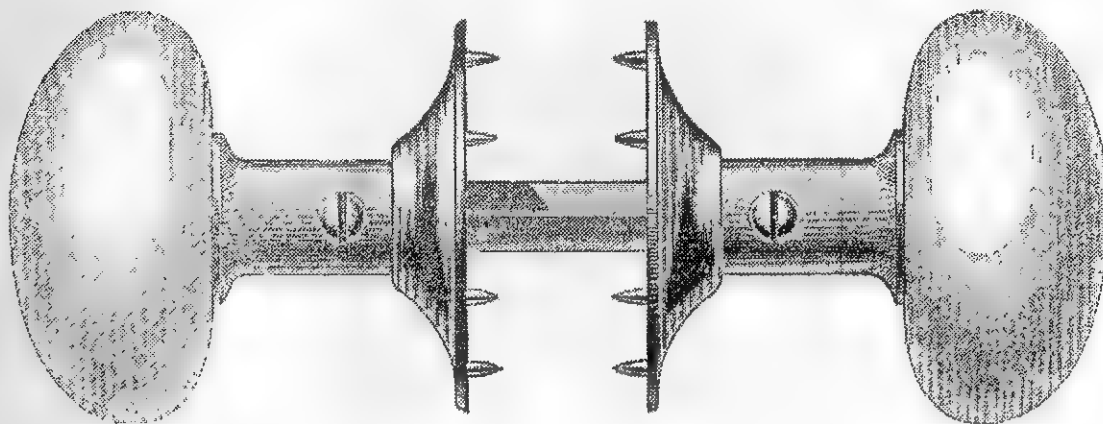
JAPANNED MOUNTINGS.

No.		PER DOZ.
400.	2½ inch, Mortise Porcelain Knobs, Japanned Mountings.....	\$2 50
401.	2½ inch, Rim Porcelain Knobs, Japanned Mountings.....	2 50

Mortise Knobs are made for 1 to 2 inch doors.

Rim Knobs are made for 1½ to 2½ inch doors.

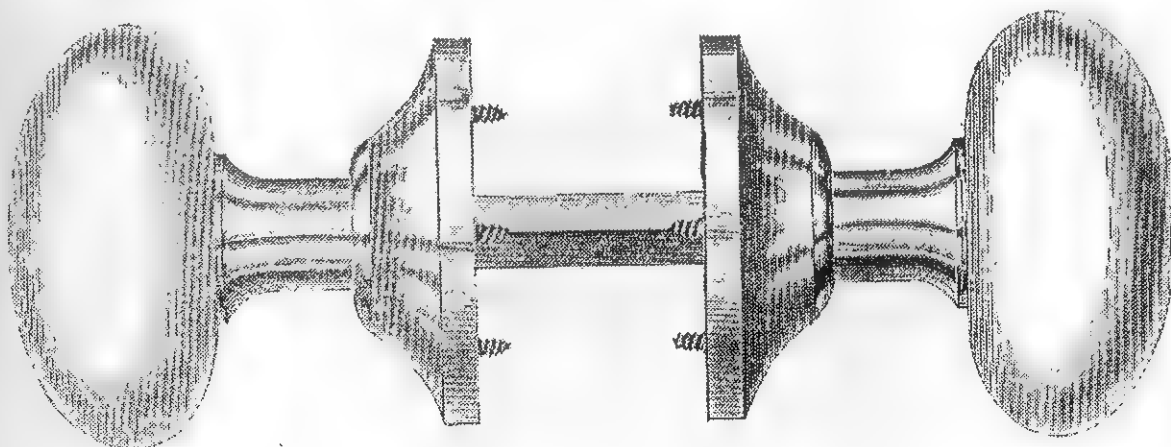
PORCELAIN DOOR KNOBS.



No. 600.

SILVER PLATED MOUNTINGS.

NO.		PER DOZ.
600.	2½ inch, Mortise, Porcelain Knobs, Silver Plated Mountings.....	\$7 25
601.	2½ inch, Rim, Porcelain Knobs, Silver Plated Mountings.....	7 25



No. 701.

PORCELAIN ROSES.

NO.		PER DOZ.
700.	2½ inch, Mortise, Porcelain Knobs and Roses, Silver Plated Mountings.....	\$8 25
701.	2½ inch, Rim, Porcelain Knobs and Roses, Silver Plated Mountings.....	8 25

Mortise Knobs are made for 1 to 2 Inch Doors.

Rim Knobs are made for 1½ to 2½ Inch Doors.

HEMACITE DOOR KNOBS.



No 315.

No.		PER DOZ.
315.	2½ inch, Mortise, Hemacite Knobs, Seal Brown.....	\$6 00

For Escutcheons suitable to be used with No. 315 Knobs, see Page No. 73.

BRONZED IRON DOOR KNOBS.



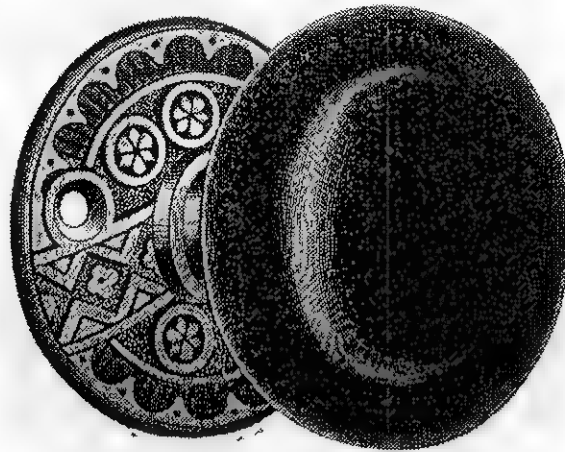
Nos. 3520 and 5520.

No.		PER DOZ.
3520.	2½ inch, Mortise, Berlin Bronzed Knobs.....	\$ 9 00
5520.	2½ inch, Mortise, BRONZED IRON KNOBS, No. 10 FINISH.....	11 50

No. 10 Finish is a Bronzed Iron with a Dark Background and Polished Bronze Surface.

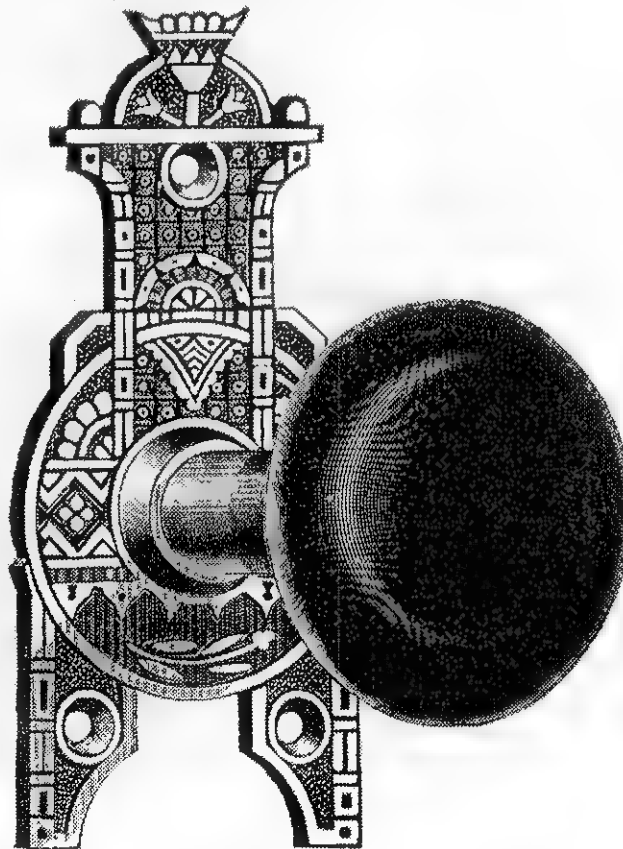
For Escutcheons suitable to be used with Nos. 3520 and 5520 see Page No. 74.

JET KNOBS.



Nos. 2974 and 5974.

No.		Per Doz
5974.	2½ inch, Mortise Jet Knobs, Bronzed Iron, No. 10 Finish Mountings.....	\$ 6 00
2974.	2½ inch, Mortise Jet Knobs, Bronze Metal, No. 3 Finish Mountings.....	12 75



No. 5976.

No.		Per Doz
5976.	2½ inch, Mortise Jet Knobs, Bronzed Iron, No. 10 Finish Mountings.....	\$7 00

No. 10 Finish is a Bronzed Iron, with a Dark background and Polished Bronze Surface

For Escutcheons to match these Knobs, see Page No. 74.

For Bell Pulls to match these Knobs, see Page No. 88

BRONZE METAL KNOBS.



No. 2507.

No.		PER PAIR.
2507.	2½ inch, Mortise, Bronze Metal, No. 3 Finish	\$2 10

For Escutcheons suitable to be used with these Knobs, see Pages No. 75 and 76.

For Bell Pulls suitable to be used with these Knobs, see Page No. 89.



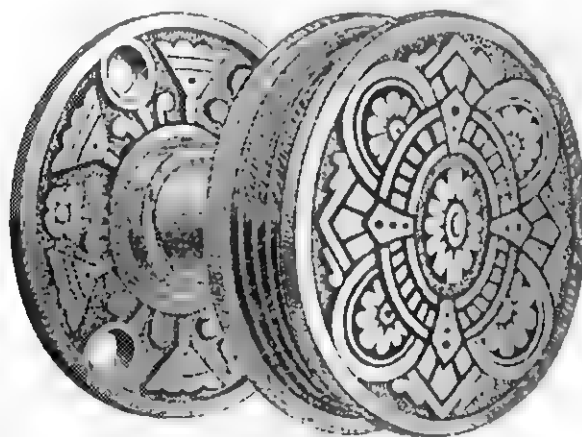
No. 2506.

No.		PER PAIR.
2506.	2 x 2½ inch, Mortise, Bronze Metal, No. 3 Finish	\$2 40

For Escutcheons suitable to be used with these Knobs, see Pages No. 75 and 76.

For Bell Pulls suitable to be used with these Knobs, see Page No. 89.

BRONZE METAL KNOBS.



No. 2555

NO.		PER PAIR.
2555.	2½ inch, Mortise, Bronze Metal, No. 3 Finish.	\$3 00
2554.	2½ x 2½ inch, Mortise Bronze Metal, No. 3 Finish.	3 30

For Escutcheons suitable to be used with these Knobs, see Pages No. 75 and 76.

For Bell Pulls suitable to be used with these Knobs, see Page No. 89.



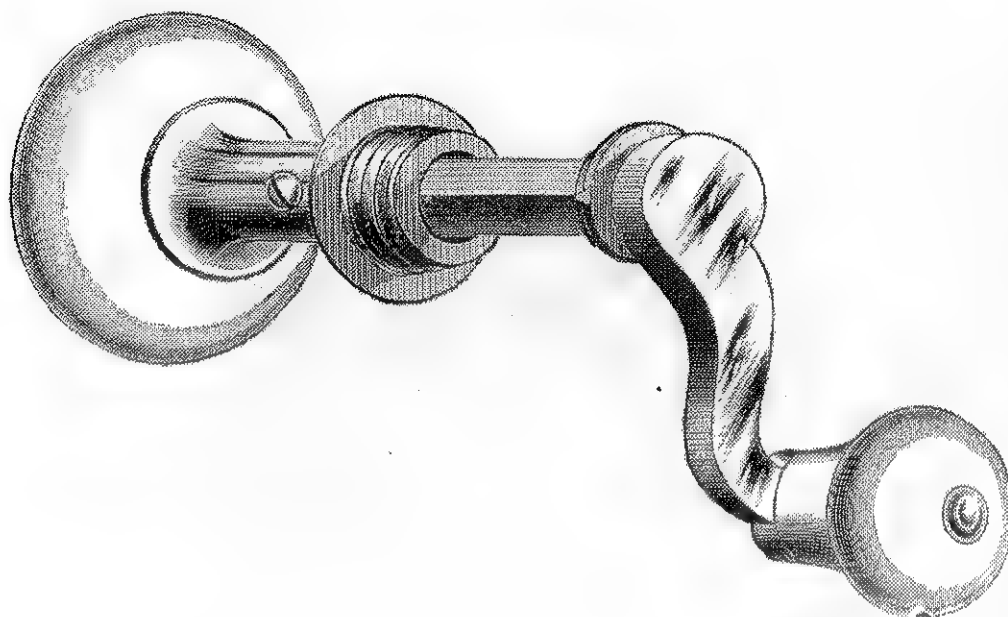
No. 2577.

NO.		PER PAIR.
2577.	2½ inch, Mortise, Bronze Metal, No. 3 Finish	\$3 50
2576.	2½ x 2½ inch, Mortise, Bronze Metal, No. 3 Finish	3 75

For Escutcheons suitable to be used with these Knobs, see Pages No. 77 and 78.

For Bell Pulls suitable to be used with these Knobs, see Page No. 89.

CRANK KNOBS.

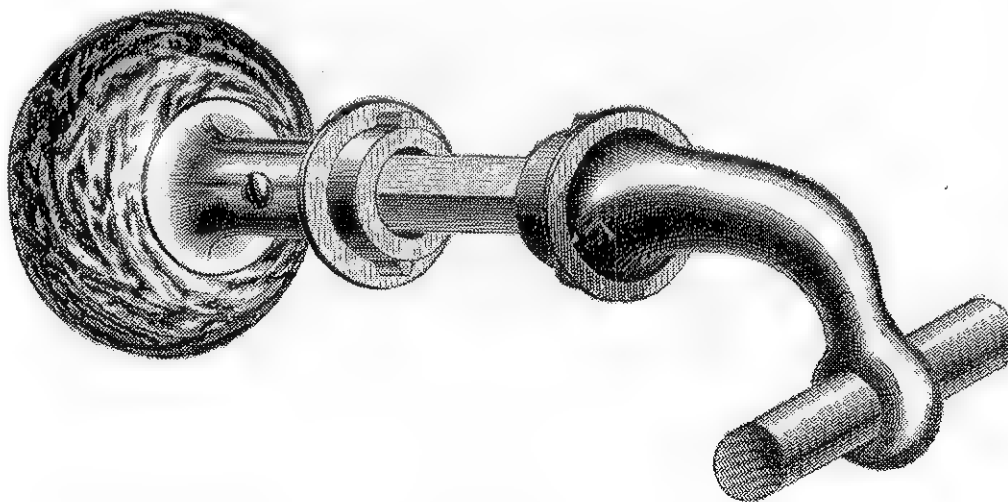


No. 50.

FOR FRENCH WINDOWS.

No. 50. 1½ inch, Porcelain Knobs, Silver Plated Crank and Trimmings, Porcelain Knobs on Crank, PER DOZ. \$21 00

CRANK T HANDLES.

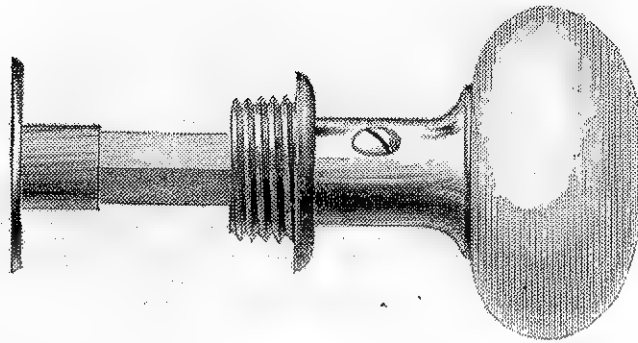


No 56

FOR FRENCH WINDOWS.

No.	1½ in., Porcelain Knobs, Silver Plated T Handles...	PER DOZ.
56.		\$32 50
56½.	1½ in., Bronze Metal, No. 3 Finish...	32 50

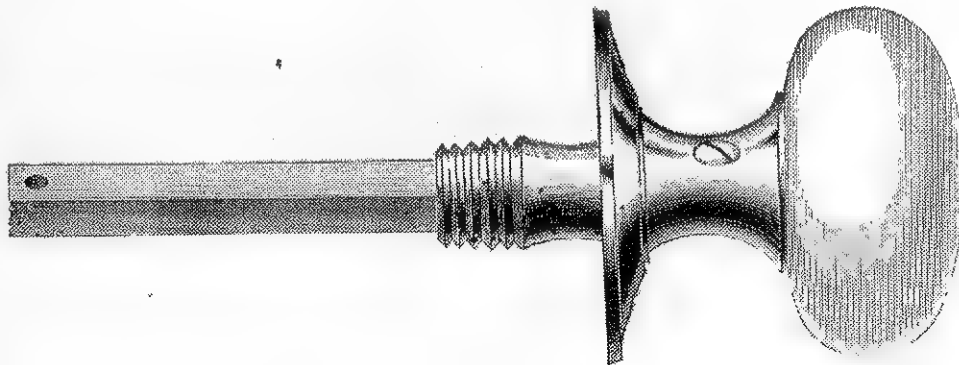
TURNBUCKLE KNOBS.



No. 60.

No.	1 1/4 in., Porcelain Knobs, Silver Plated Mountings.....	PR 667. \$8 75
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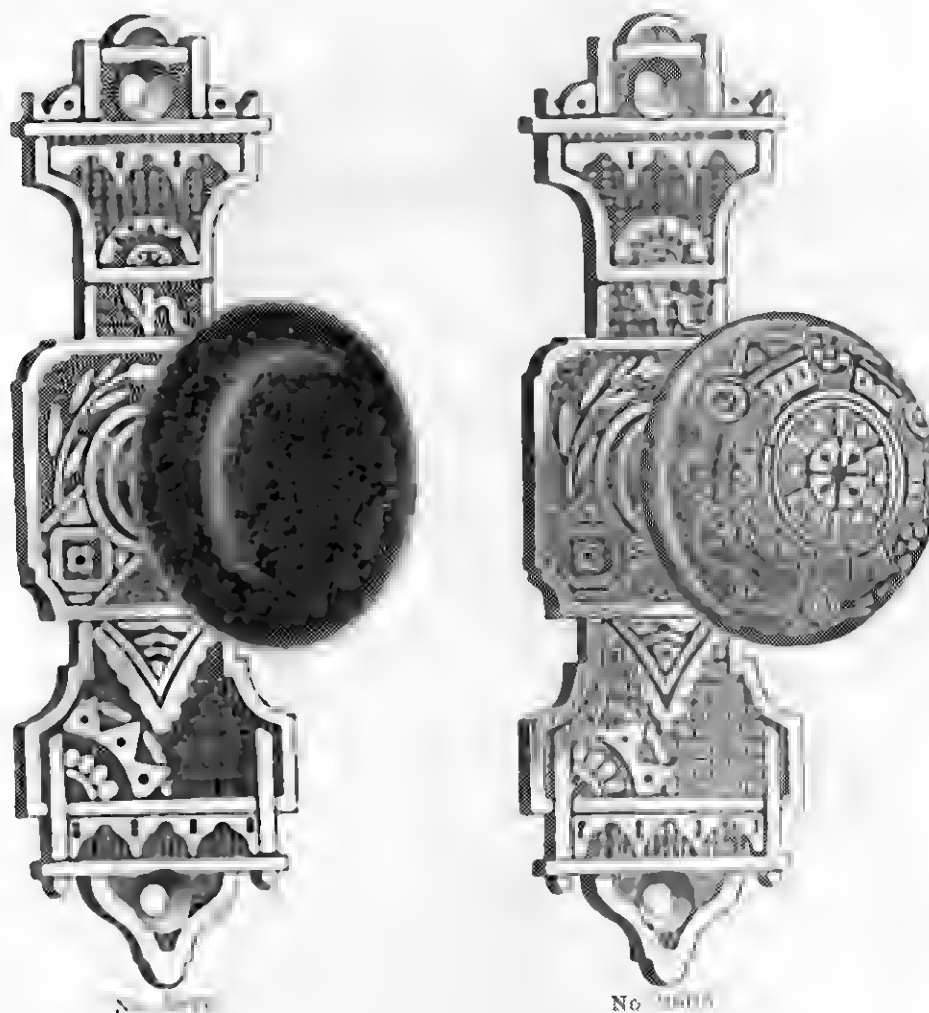
PORCELAIN BELL PULLS.



No. 5

No.	1 1/4 in., Porcelain Knobs, Silver Plated Mountings.....	PR 667. \$17 50
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BRONZE METAL AND JET BELL PULLS.



JET BELL PULLS.

1½ inch, Jet Bell Pull, No. 10 Finish.

No. 10 Finish is Burned Iron, with a Dark Background and Polished Bronze Surface.

BRONZE METAL BELL PULLS

1½ inch, Bronze Metal No. 8 Finish.

No. 8 Bell Pull matches Knobs on Page No. 51

BRONZE METAL BELL PULLS.



No. 2876.

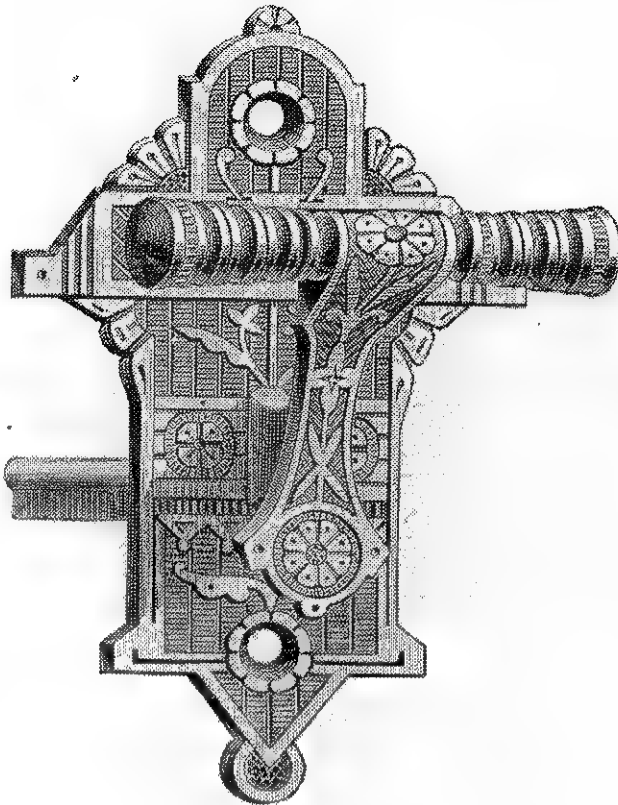
BRONZE METAL, No. 3 FINISH.

1/2 inch, Bronze Metal, No. 3 Finish	\$2 00
3/4 inch, Bronze Metal, No. 3 Finish	3 60

No. 2875 Bell Pull matches Knobs Nos. 2871 and 2872, on page 208.

No. 2876 Bell Pull matches Knobs Nos. 2876 and 2877, on page 208.

DOOR BELL LEVERS.

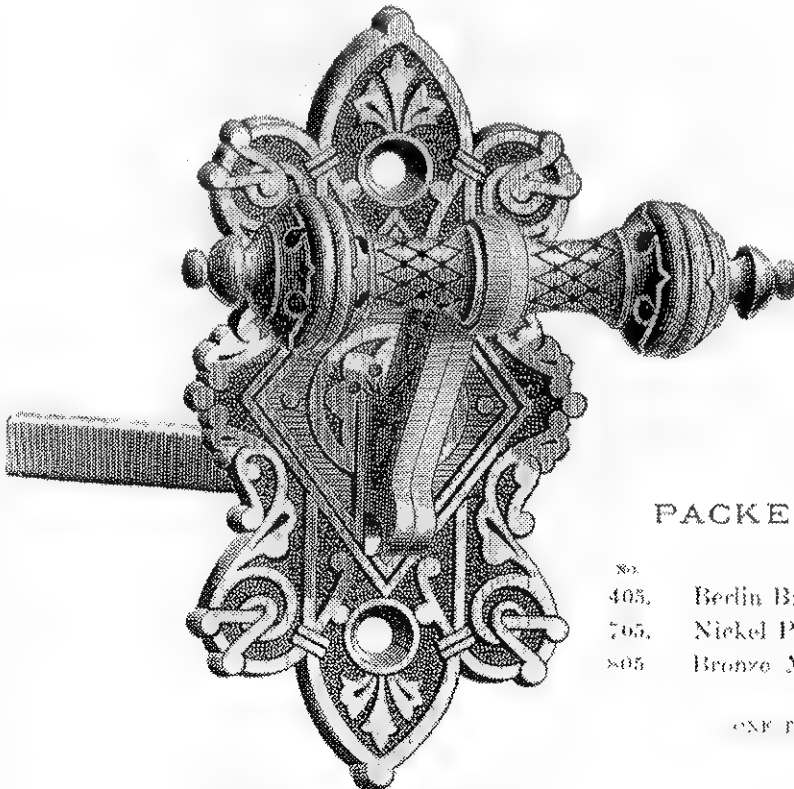


Full Size Cut of Nos. 402 and 902.

PACKED WITH SCREWS.

NO.	PER DOZ.
402. Berlin Bronzed.....	\$ 3 00
902. Bronze Metal, No. 3 Finish.....	10 00

ONE-TWELFTH DOZEN IN A BOX.



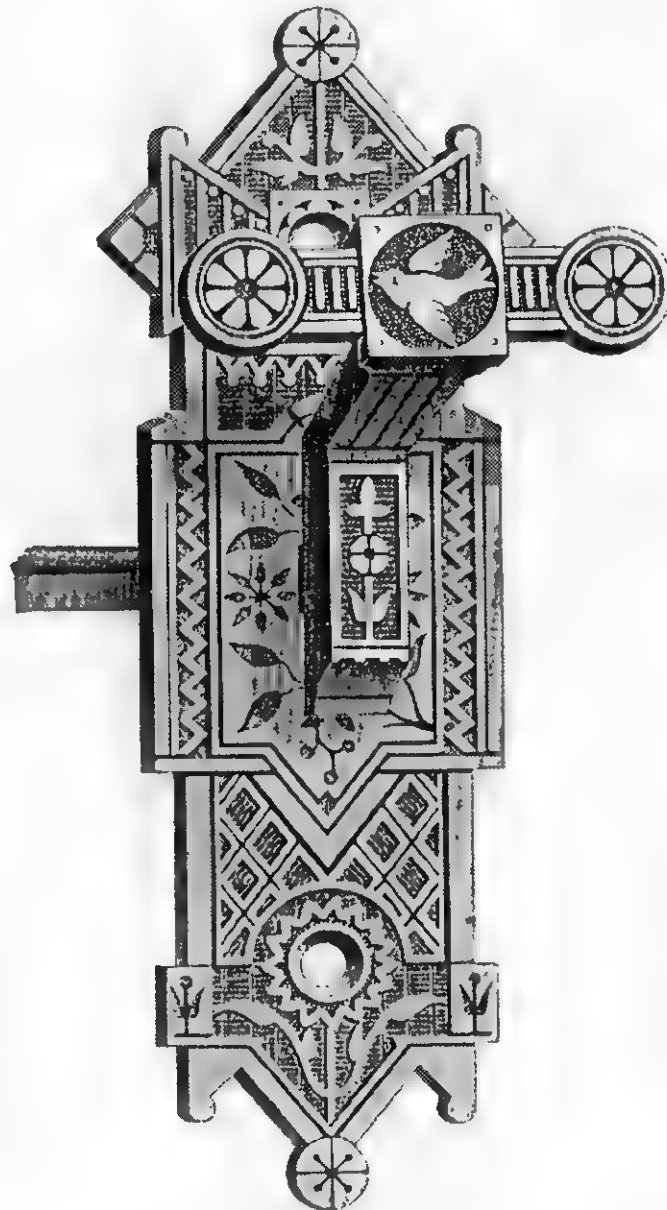
Full size Cut of Nos. 405, 705 and 805.

PACKED WITH SCREWS.

NO.	PER DOZ.
405. Berlin Bronzed.....	\$ 4 00
705. Nickel Plated on Brass.....	15 00
805. Bronze Metal,	15 00

ONE TWELFTH DOZEN IN A BOX.

DOOR BELL LEVERS.



Full Size Cut of No. 115 and 116.

PACKED WITH SCREWS.

115.	Berlin Bronzed	PER DOZ.
116.	Bronze Metal, No. 3 Finish	\$4.50
117.	Bronze Metal, No. 3 Finish	16.00

ONE-TWELFTH DOZEN IN A BOX

SARGENT'S PATENT LEVER AND PULL DOOR BELLS.



Fancy Bell. Full Size Cut of Nos. 201, 213½ and 215½.

BELLS ONLY, PACKED WITH SCREWS.

BERLIN BRONZED.

NO.		PER DOZ.
213½.	3½ inch, Berlin Bronzed, Fancy Bells.....	\$10 00

BELL METAL.

NO.		PER DOZ.
201½.	3½ inch, Bell Metal, Fancy Bells.....	\$15 00
205.	5 inch, Bell Metal, Fancy Bells.....	21 50

NICKEL PLATED.

NO.		PER DOZ.
134.	3½ inch, Nickel Plated, Plain Bell.....	\$18 50
15.	5 inch, Nickel Plated, Plain Bell.....	26 00
213½.	3½ inch, Nickel Plated, FANCY BELLS.....	18 50
215.	5 inch, Nickel Plated, FANCY BELLS.....	26 00

The same Bell can be used with our Patent Bell Lever, or a Bell Pull, or a Slide Pull. It can be put upon the Door or upon the Door Jamb, or can be carried, by use of cranks, to any place desired.

ONE TWELFTH DOZEN IN A BOX

SARGENT'S PATENT LEVER AND PULL DOOR BELLS.



Fancy Bell. Full Size Cut of Nos. 2233½, 2233½ and 2233½.

BELLS ONLY, PACKED WITH SCREWS,

BERLIN BRONZED.

2233½	3½ inch, Berlin Bronzed, Fancy Bells.....	1 00
2233	3 inch, Berlin Bronzed, Fancy Bells.....	75

BELL METAL.

2233½	3½ inch, Bell Metal, Fancy Bells.....	19 50
2233	3 inch, Bell Metal, Fancy Bells.....	

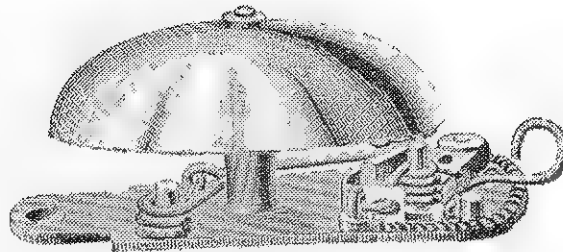
NICKEL PLATED.

2233½	3½ inch, Nickel Plated, Plain Bell.....	816 75
2233	3 inch, Nickel Plated, Plain Bell.....	23 50
2233½	3½ inch, Nickel Plated, Fancy Bell.....	16 75
2233	3 inch, Nickel Plated, Fancy Bell.....	23 50

The same Bell can be used with our Patent Bell Lever, or a Slide Pull, but it cannot be used with a Bell Pull without the use of Cranks.

ONE TWELFTH DOZEN IN A BOX.

GONG HOUSE BELLS.

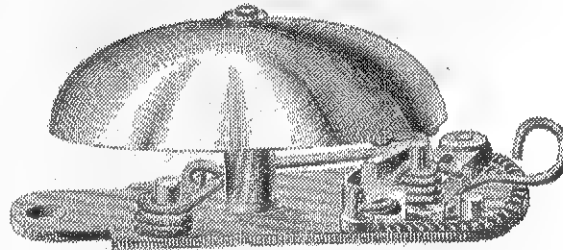


BRONZED STEEL.

NO.	104
SIZE.	4
LIST.	\$5 00

106
6
10 00

INCHES.
PER DOZ.



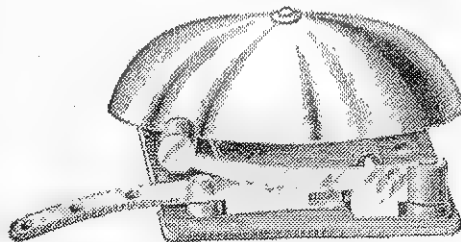
POLISHED BRONZE METAL.

NO.	304
SIZE.	4
LIST.	\$10 00

306
6
20 00

INCHES.
PER DOZ.

TRIP GONG BELLS.



POLISHED BELL METAL.

NO.	204
SIZE.	4
LIST.	\$18 00

206
6
34 00

208
8
60 00

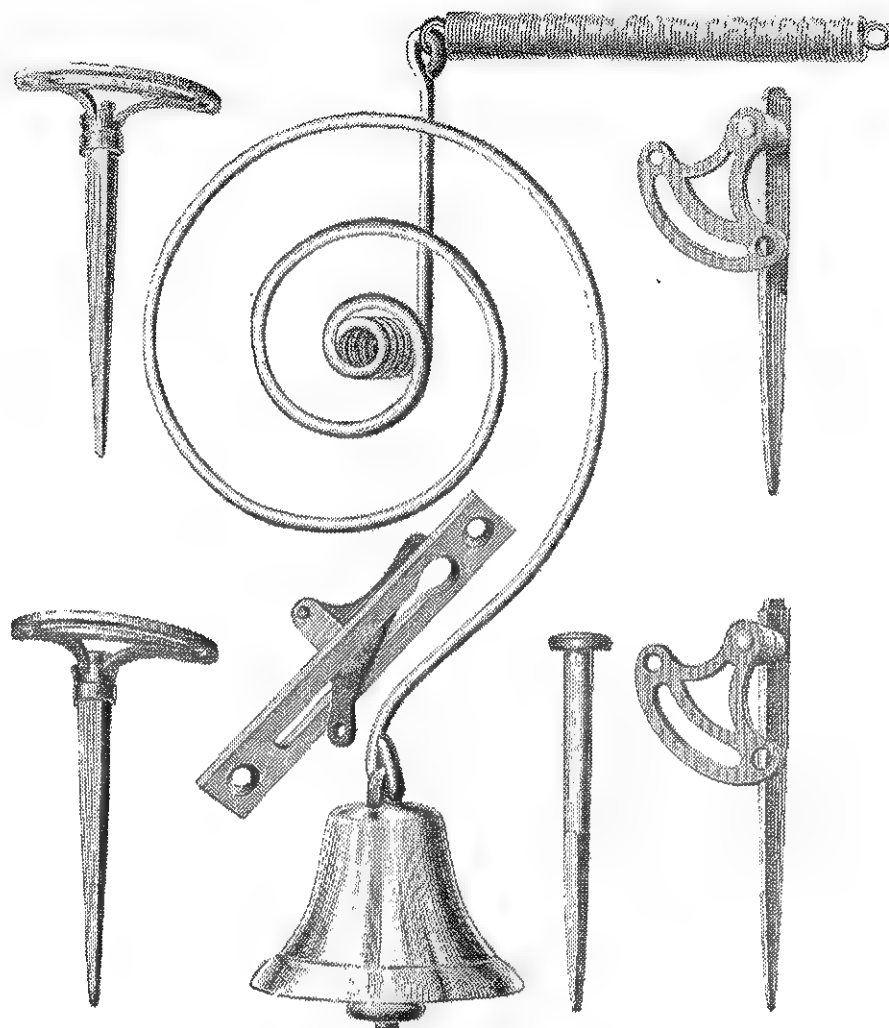
210
10
90 00

212
12
160 00

214
14
261 00

INCHES.
PER DOZ.

HOUSE BELLS ON CARRIAGES.



Half Size Cut of No. 123, Complete.

WITH SPIKES ONLY.

Same Carriage with each Number. Different Size Bell's

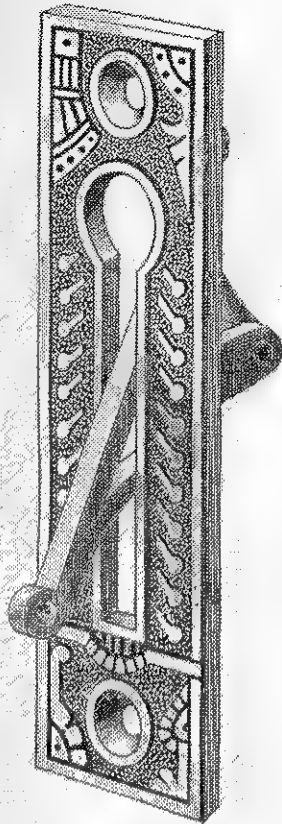
No.		Price
113.	No. 3, Polished Bells, with Spikes only	\$8.10
114.	No. 4, Polished Bells, with Spikes only	7.75

COMPLETE.

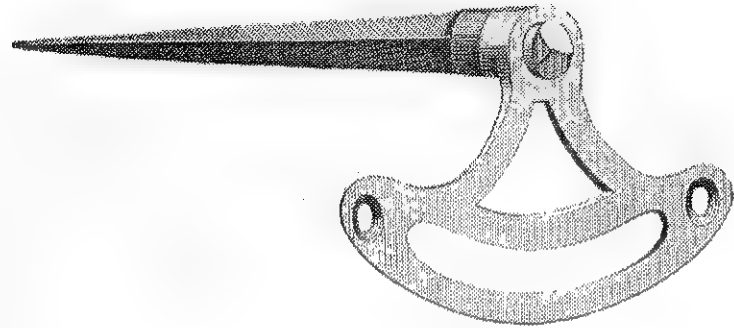
No.		Price
123.	No. 3, Polished Bells, Complete with Trimmings, as per Cut	\$10.00

ON HAND IN STOCK.

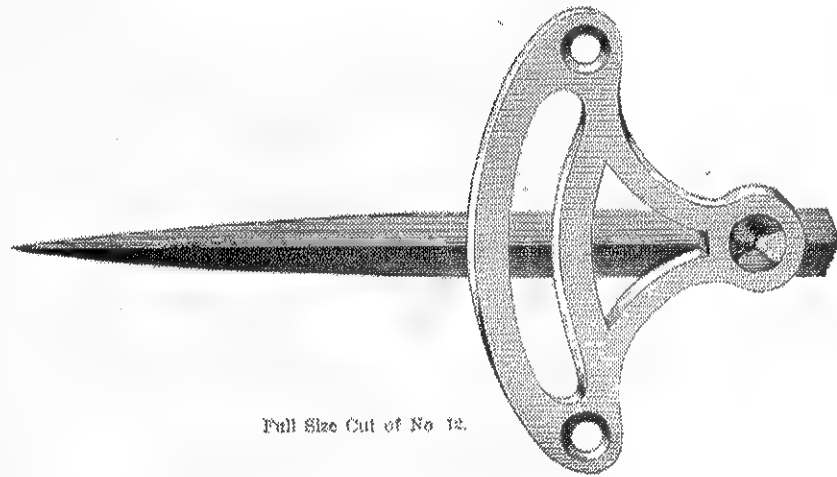
BELL CRANKS.



Mortise Crank No. 2000.



Full Size Cut of No. 12.



Full Size Cut of No. 12.

MORTISE BELL CRANKS.

NO.		PER DOZ.
1.	Cast Brass, Polished and Lacquered.....	\$2 40
2000,	Bronze Metal, No. 3 Finish.....	6 00

END BELL CRANKS.

NO.		PER DOZ.
13.	Japanned, Malleable Iron Spike.....	.55

SIDE BELL CRANKS.

NO.		PER DOZ.
12.	Japanned, Malleable Iron Spike.....	.60

BRONZE METAL AND BRONZED IRON

LOCKS, KNOBS, ESCUTCHEONS

BOLTS, ETC.

IN EIGHT DIFFERENT STYLES OF FINISH, AS FOLLOWS:

- No. 1. Light Bronze Metal.
- No. 2. Dark Bronze Metal.
- No. 3. Bronze Metal, with dark background,
the raised surface showing the bright metal.
- No. 5. Bronze Metal, Nickel Plated, raised surface.
- No. 6. Bronze Metal, Nickel and Gold.
- No. 8. Bronzed Iron, Copper Color.
- No. 10. Bronzed Iron, with dark background and
polished Bronze surface.
- No. 13. Berlin Bronzed Iron, with dark background
and polished surface.

~~137~~ In ordering be sure and give the number of the finish of the Bronze Metal Goods, as well as the number of the article.

Prices of Nos. 1, 2 and 3 Finishes are the same.

Prices of Nos. 5, 6 and 8 Finishes furnished on application.

Locks with Bevel Fronts furnished without Additional Expense.

BRONZE METAL MORTISE KNOB LOCKS.



No. 7476 to 7478

WITH ANTI-FRICTION LATCH BOLTS.

NOT REVERSIBLE In Ordering State if you want Right or Left Hand.

Nos.		Each.
7476.	4 inch, Bronze Metal, Front and Bolts, No. 3 Finish, Nickered Steel Key, One Tumbler, 24 Changes.....	2.50
7477.	4 inch, Bronze Metal, Front and Bolt, No. 3 Finish, Nickered Steel Key, Two Tumblers, 48 Changes..	3.00
7478.	4 inch, Bronze Metal Front and Bolt, No. 3 Finish, Nickered Steel Key, Three Tumblers, 100 Changes.	3.50

For Sample Lock See Page 75, 76

BRONZE METAL MORTISE KNOB LOCKS.



Nos. 7610 to 7612.

WITH ANTI-FRICTION LATCH BOLTS.

NOT REVERSIBLE. In Ordering, state if you want Right or Left Hand.

7610	4 1/2 inch, Bronze Metal Front and Back, No. 1 Pin, Nickelated Steel Key, 1400 Tumblers, 48 Changes.	7.50
7611	4 1/2 inch, Bronze Metal Front and Back, No. 2 Pin, Nickelated Steel Key, Two Tumblers, 48 Changes.	8.50
7612	4 1/2 inch, Bronze Metal Front and Back, No. 3 Pin, Nickelated Steel Key, Three Tumblers, 100 Changes.	9.50

See for more locks and prices No. 100

BRONZE METAL MORTISE KNOB LOCKS.



Nos. 7629 and 7630.

WITH THREE BOLTS AND ANTI-FRICTION LATCH BOLTS.

NOT REVERSIBLE. In Ordering, state if you desire Right or Left Hand.

		EACH.
7629.	4½ inch, Bronze Metal Front, (Pat.) and Thumb Bolt, No. 2 Brass, Standard Steel Key, One Tumbler, 21 Changes.....	\$3.40
7630.	4 inch, Stainless Metal Front, Bolts and Thumb Bolt, No. 2 Brass, Nickel Steel Key, Three Tumblers, 100 Changes.....	1.00

Key, Left Hand Locks and One Right Hand.

BRONZE METAL MORTISE KNOB LOCKS.



WITH ANTI-FRICTION LATCH BOLTS.

NOT REVERSIBLE. In Ordering, state if you want Right or Left Hand.

NOTE: Ground Metal Front and Back for a Perfect Rounded Steel Key. Three
Turns and One Change.

Kept in the Best and Purest Oil.

BRONZE METAL RABBETED MORTISE KNOB LOCKS.

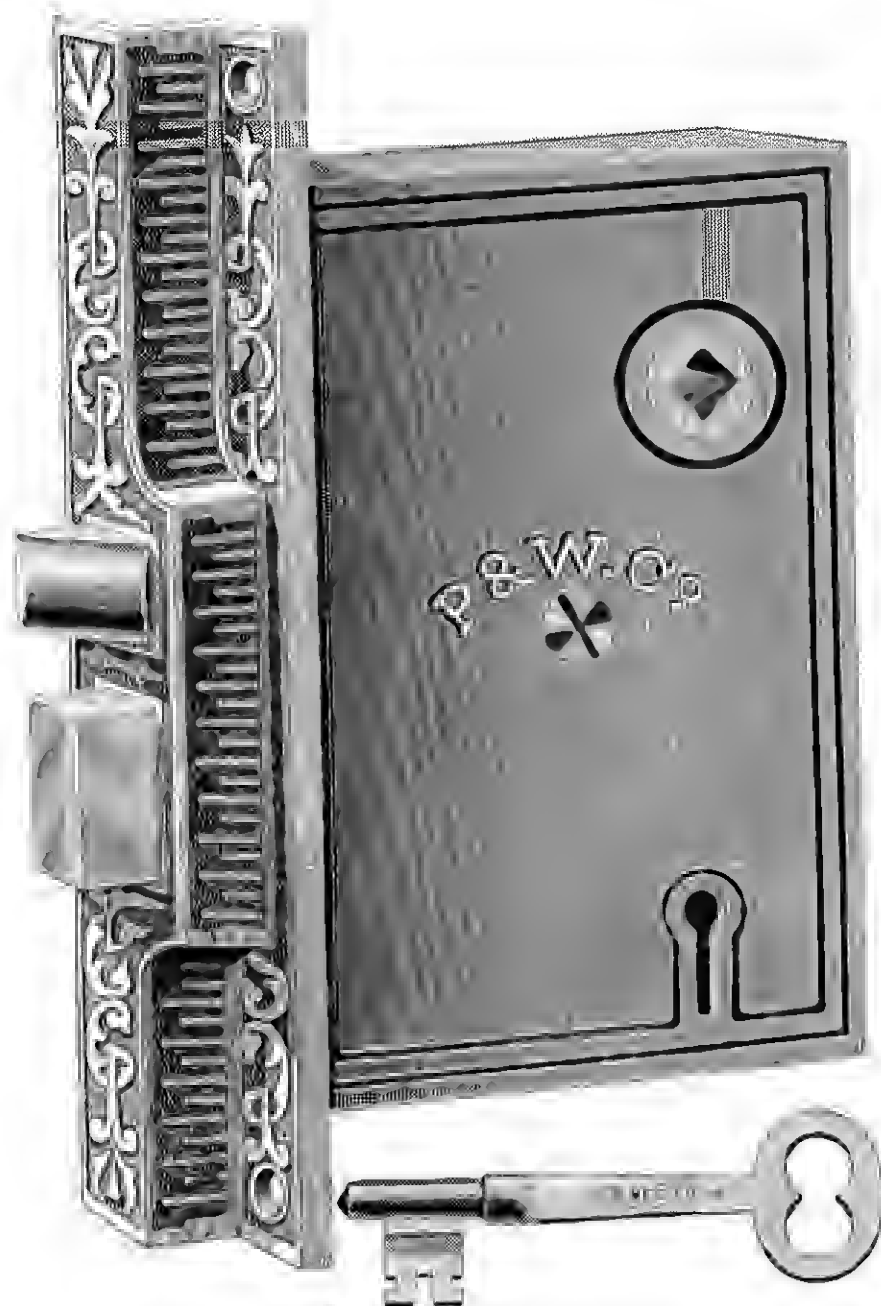


FIG. 2520. RIGHT HAND

NOT REVERSIBLE. In Ordering state if you want Right or Left Hand.

1½ inch, Bronze Metal Rabbeted Front, No. 3 Finish, Nickeled Steel Key, One
 Finishes, 12 Colors

EACH

\$5.00

Keys for this Lock are Class No. 13.

ROTH SONS & CO., DETROIT.

103

BRONZED IRON MORTISE FRONT DOOR LOCKS.



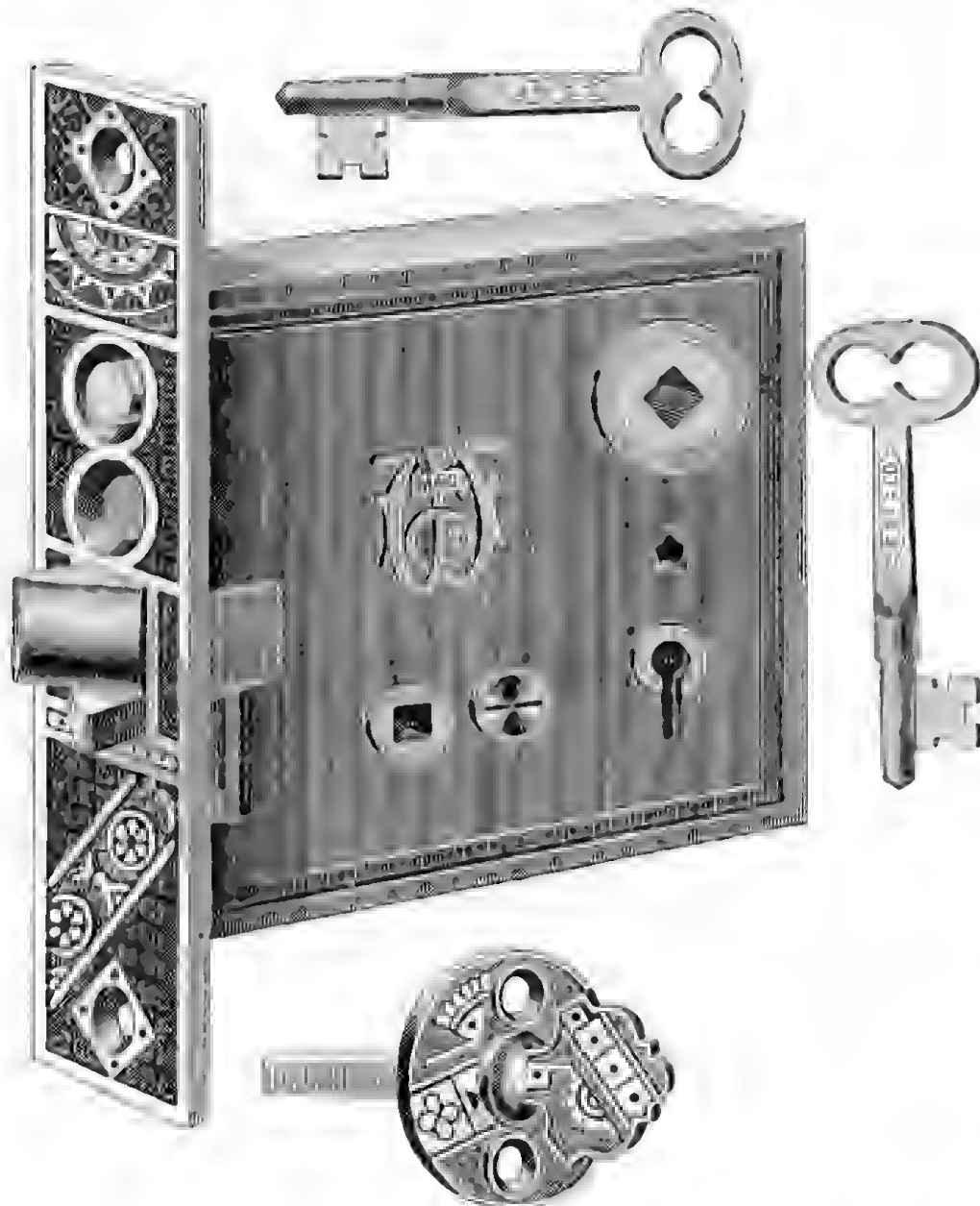
NOT REVERSIBLE. In Ordering, state whether you want Right or Left Hand.

Price 47 inch, Double-Bronzed Front and Thumb Knob, Brass Bolts, Two Nickeled Steel
 Night Keys, One Tumbler, One Nickeled Steel Lock Bolt Key, One Tumbler,
 27 inch, same as No. 47, No. 10 Finish.....

\$5 30
 5 00

For further details and illustrations to match these Locks see Pages 50, 51 and 52.
 See 10 Finish is a Bronzed Iron with a Dark Background and Polished Brass accents.
 Keys for Locking 100 are Class No. 100. Keys for 2500 Locks are Class No. 2500.
 Any Locksmith that would fit 1000 No. 1000 p. 1000 Locks will fit them at the above Price.

BRONZE METAL VESTIBULE DOOR
MORTISE NIGHT LATCHES.



No. 75553.

WITH ANTI-FRICTION LATCH

REVERSIBLE. In Ordering, state if you want Right or Left Hand.

Year	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	

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© 2000 Blackwell Science Ltd, *Journal of Internal Medicine* 247: 399–406

From Dec. 1983, Finland,

1. *Journal of the American Medical Association*, 1997; 277: 1033-1038.

Electronic Mailbox, Inc. 2000, p. 3, para. 5.

Received: March 29, 2006; Accepted: July 12, 2006

[illegible]

Thomas: Great! Now, and, sometimes, I wish that I was a

$\lim_{t \rightarrow \infty} \|x(t)\| = 0$ and $\lim_{t \rightarrow \infty} \dot{x}(t) = 0$.

and

Fig. 5. ΔH_{melt} (mJ/g) vs. T_{melt} (°C).

© 1998 by John Wiley & Sons, Inc.

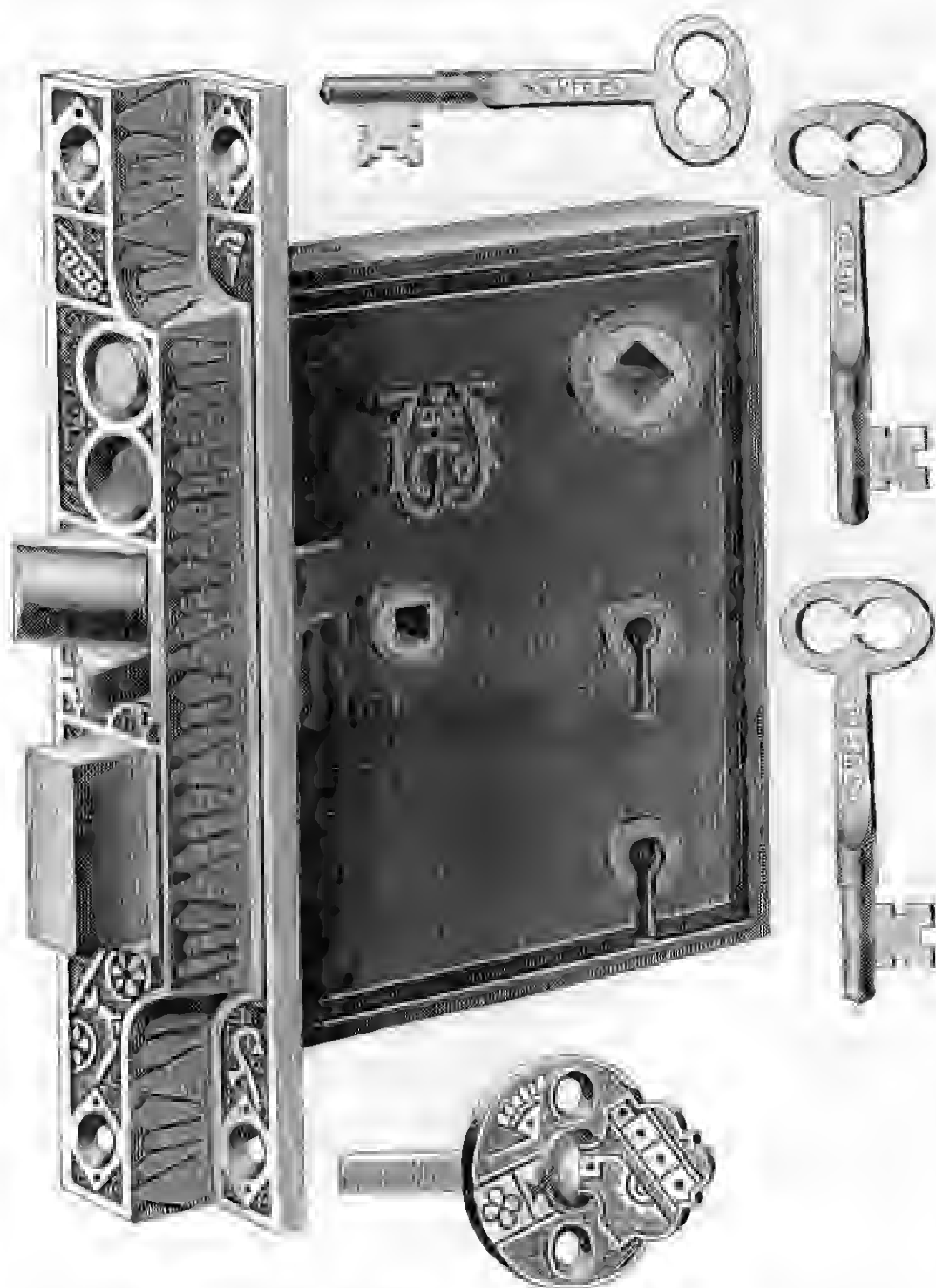
BRONZE METAL FRONT DOOR MORTISE KNOB LOCKS.



NOT REVERSIBLE. In Ordering, state if you want Right or Left Hand

715- 54 York, Bronze Metal Front, Door and Thumb Knob, No. 1. Finish, Two Nickel'd Steel Studs, Keys, Tumbler, Tumbler, (Nickel'd), Steel Locking Bolt Key, 1 Tumbler, \$6.00
 Complete (with all necessary parts, material like 250, and when delivered to be provided with Keys, pass both lock and handle. See the Keys and Tumbler to suit the lock, see the Keys, 150-151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

BRONZE METAL RABBETED FRONT DOOR MORTISE KNOB LOCKS.



Nos. 7457 and 7771 - (Globe Series)

WITH ANTI-FRICTION LATCH BOLTS.

NOT REVERSIBLE - In Ordering state if you want Right or Left Hand

See Descriptive Circulars on Page 30

RABBETED VESTIBULE DOOR MORTISE NIGHT LATCHES.



No. 7455 and 7771. Right Hand

WITH ANTI-FRICTION LATCH BOLTS.

NOT REVERSIBLE - In Ordering state if you want Right or Left Hand

For Description of this Lock, See Page No. 119.

BRONZE METAL RABBETED FRONT LOCKS AND LATCHES.

WITH ANTI-FRICTION LATCH BOLTS. NOT REVERSIBLE.

For Cuts of these Locks and Latches, see Pages No. 108 and 109

NO.		EACH.
7771.	1½ inch, Rabbeted Front Door Lock, Bronze Metal Front, Bolts and Thumb Knob, No. 3 Finish, Two Nickeled Steel Night Keys, Three Tumblers, One Nickeled Steel Key for Locking Bolt, One Tumbler.....	\$8 40

Keys for Night Latch are Class No. 139, Keys for Locking Bolt are Class No. 139½.

7771½.	3¼ inch, Rabbeted Front Vestibule Door Latch, Bronze Metal Front, Bolt and Thumb Knob, No. 3 Finish, Two Nickeled Keys, Three Tumblers.....	\$6 10
--------	---	--------

Keys for this Latch are Class No. 139½.

This Lock and Latch are made with Keys to pass when desired.

ESCUTCHEONS SUITABLE FOR Nos. 7771 and 7771½.

For 7771, Outside

For 7771½.

Bronze Metal Drop, No. 2170, Page 75.

Bronze Metal Plate, Nos. 2171 and 2181, Page 75.

Bronze Metal Rose and Escutcheon Combined, No. 2720
and 2732, Pages No. 76 and 77.

Bronze Metal Rose and Escutcheon Combined, Nos. 2731
and 2733, Pages 76 and 77.

For 7771, Inside

Bronze Metal Plate Nos. 2172 and 2182, Page No. 75.

FOR CUTS OF KNOBS, SEE PAGES 84 AND 85

NO.		EACH.
7451.	5½ inch, Rabbeted Front Door Lock, Bronze Metal Front, Bolts and Thumb Knob, No. 3 Finish, Two Nickeled Night Keys, THREE TUMBLERS, One Nickeled Key for locking Bolt, THREE TUMBLERS.....	\$9 05

Keys For Night Latch are Class No. 142½. Keys for Locking Bolt are Class No. 142.

7451½.	4 inch, Rabbeted Front Vestibule Door Latch, Bronze Metal Front, Bolt and Thumb Knob, No. 3 Finish, Two Nickeled Steel Keys, THREE TUMBLERS...	\$6 90
--------	--	--------

Keys for this Latch are Class No. 142½.

These Locks and Latches are made with Keys to pass when desired.

ESCUTCHEONS SUITABLE FOR Nos. 7457 AND 7455½.

For No. 7457, Outside

For No. 7455½.

Bronze Metal Rose and Escutcheon Combined, Nos. 2730
and 2734, Page 77 and 78.

Bronze Metal Rose and Escutcheon Combined, Nos. 2731
and 2735, pages 77 and 78.

For No. 7457, Inside

Bronze Metal Plate No. 2182 and 2182 page 75.

FOR CUTS OF KNOBS, SEE PAGES 84 AND 85

BRONZE METAL SLIDING DOOR LOCKS.



No. 2054.

3½ inch, Bronze Metal, Flat Front and Bolts, No. 3 Finish, One Nickel'd Steel Key. One Turnover.

Push Cup and P Handles on Page No. 110 can be used with this Lock.

Keys for this Lock are C and D.

BRONZE METAL SLIDING DOOR LOCKS



No. 3000.

1 inch, Bronze Metal, American Patent, No. 2 Patent, Bolted Steel Key, One
 Thousand

Price

\$1.00

Each Cup and T Handles on Page No. 119 can be used with this

Keys for this Lock are Class No. 14.

FLUSH SLIDING DOOR ESCUTCHEONS.

TO BE USED WITH SLIDING DOOR LOCKS, AS DESCRIBED ON PRECEDING PAGES



Nos. 2195, 3195 and 5195



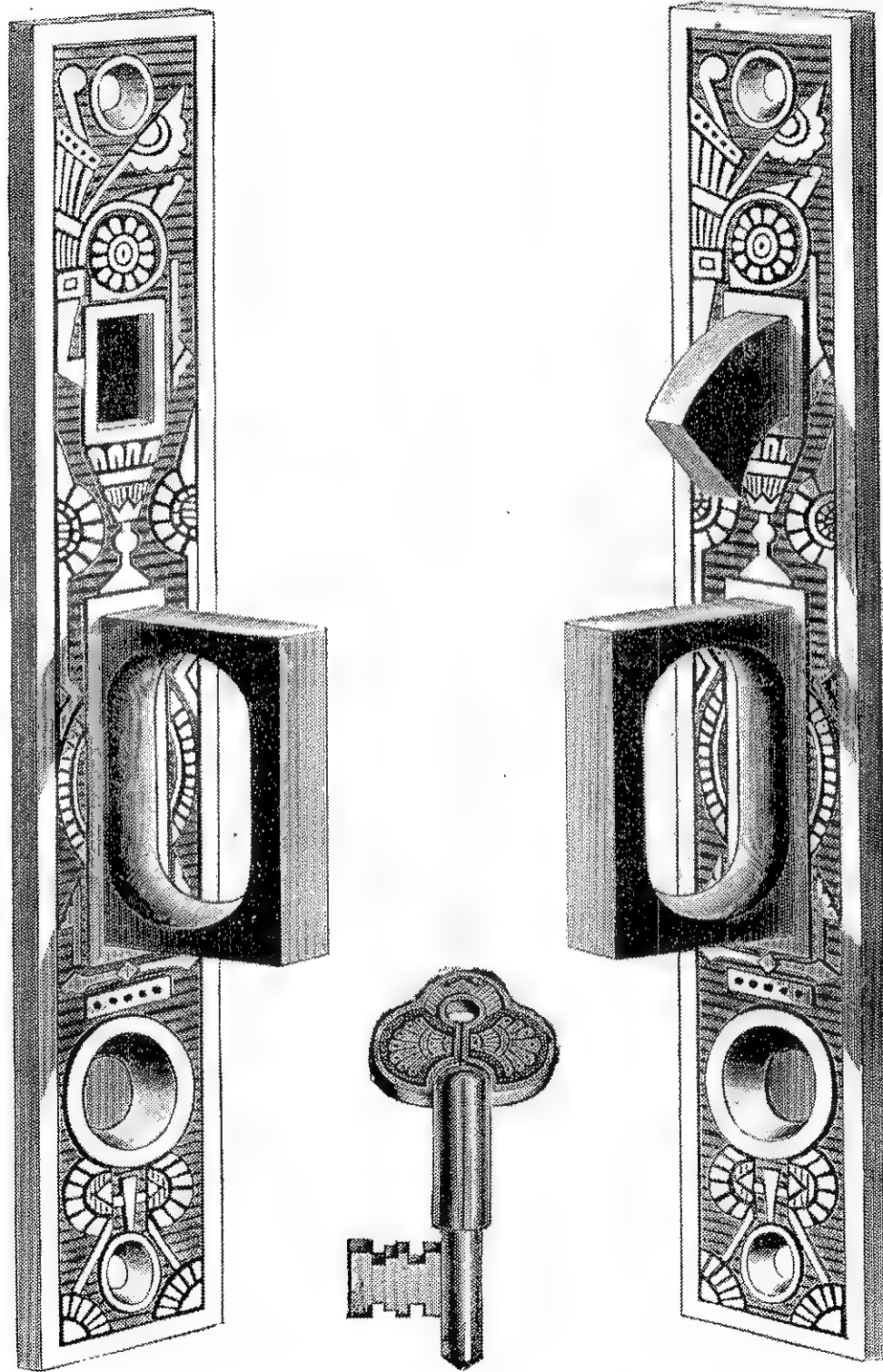
Nos. 2196, 3196 and 5196

2195,	Berlin Bronze	14.40	3195,	Berlin Bronze	14.40
5195,	Bronzed Iron, No. 10 Finish	3.40	5195,	Bronzed Iron, No. 10 Finish	3.40
2196,	Bronze Metal, No. 3 Finish	6.65	2196,	Bronze Metal, No. 3 Finish	10.00

NOTE: BRONZED IRON WITH A DARK BACKGROUND AND POLISHED BRONZE SURFACE.

SEE TWO ESCUTCHEONS ONE HALF THE ABOVE PRICE.

FLAT FRONT SLIDING DOOR LOCKS.



These Cuts illustrate the Fronts of Locks

Described on Opposite Page.

BRONZED IRON AND BRONZE METAL
FLAT FRONT SLIDING DOOR LOCKS.
WITH FLUSH PULLS

For Cuts of Locks, see Opposite Page.

For Cuts of Escutcheons, see Page No. 113.

FLAT FRONTS, FOR SINGLE DOORS.

NO.		WITH TWO ESCUTCHEONS
		PER SET
03150.	5½ inch, Berlin Bronzed, Flat Front, Bronze Metal Folding Key, with Two No. 3195 Escutcheons.....	\$5 50
03150.	Same as No. 03150, Bronzed Iron, No. 10 Finish.....	6 00
02150.	Same as No. 03150, Bronze Metal, No. 3 Finish.....	6 85
02153.	5½ inch, Bronze Metal, Flat Front, No. 3 Finish, Bronze Metal Folding Key, with Two No. 2196 Escutcheons.....	9 50

FLAT FRONTS, FOR DOUBLE DOORS.

NO.		WITH FOUR ESCUTCHEONS
		PER SET
03160.	5½ inch, Berlin Bronzed, Flat Fronts, Bronze Metal Folding Keys, with Two No. 3195 Escutcheons.....	\$ 8 00
05160.	Same as No. 03160, Bronzed Iron, No. 10 Finish.....	8 75
02156.	Same as No. 03160, Bronze Metal, No. 3 Finish.....	10 25
02159.	5½ inch, Bronze Metal, Flat Fronts, No. 3 Finish, Bronze Metal Folding Key, with Four No. 2196 Escutcheons.....	11 00

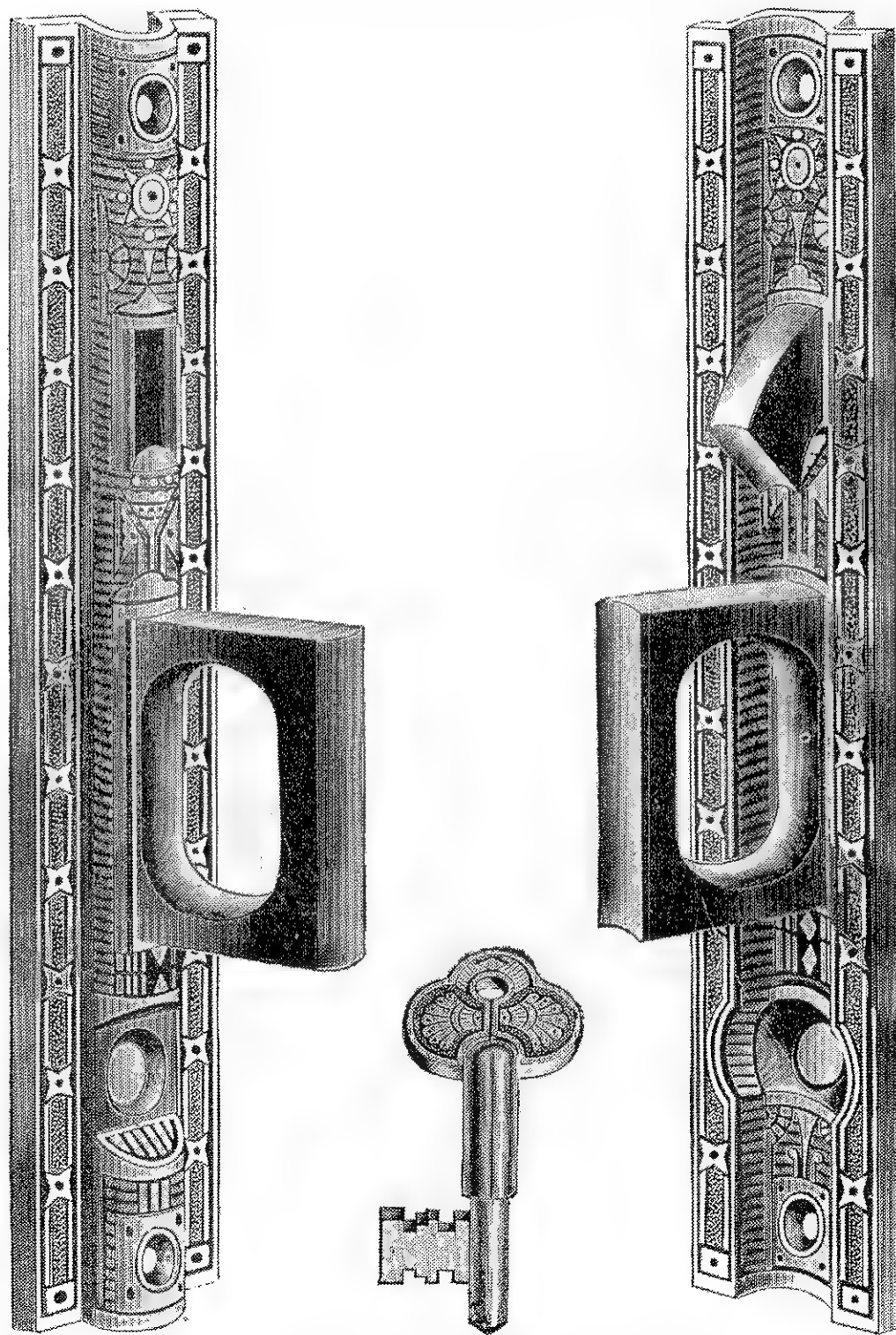
IN ORDERING BE PARTICULAR TO GIVE EXACT THICKNESS OF DOORS

Keys for these Locks are Class No. 80.

No. 10 Finish is Bronzed Iron, with a Dark Background and Polished Bronze Surface.

ONE SET IN A BOX, WITH SCREWS

ASTRAGAL FRONT SLIDING DOOR LOCKS.



These Cuts represent the Fronts of Locks described in Opposite Page

BRONZED IRON AND BRONZE METAL

ASTRAGAL FRONT SLIDING DOOR LOCKS.

WITH FLUSH PULLS.

For Cuts of Locks see Opposite Page.

For Cuts of Escutcheons see Page No. 118.

ASTRAGAL FRONTS FOR DOUBLE DOORS.

NO.		WITH FOUR ESCUTCHEONS PER SET.
03165.	5½ inch, Berlin Bronzed, Astragal Fronts, Bronze Metal Folding Keys, with Four No. 3195 Escutcheons.....	\$8 50
05165.	Same as No. 03165, Bronzed Iron, No. 10 FINISH.....	9 25
02165.	Same as No. 03165, Bronze Metal, No. 3 FINISH.....	10 75
02168.	5½ inch, Bronze Metal, Astragal Fronts, No. 3 Finish, Bronze Metal Folding Key, with Four No. 2195 Escutcheons.....	14 50

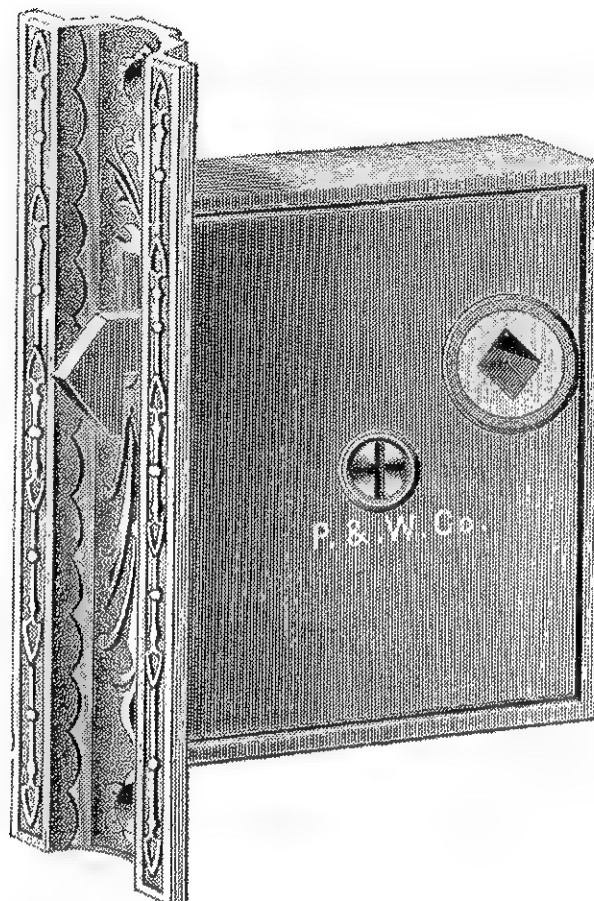
 IN ORDERING BE PARTICULAR TO GIVE EXACT THICKNESS OF DOORS.

Keys for these Locks are Class No. 80.

No. 10 Finish is Bronzed Iron, with a Dark Background and Polished Bronze Surface.

ONE SET IN A BOX, WITH SCREWS.

BRONZED IRON AND BRONZE METAL SLIDING DOOR KNOB LATCHES.



Nos. 2071 and 5071.

FLAT FRONTS.

NO.		EACH
5072.	Bronzed Iron, FLAT Front, No. 10 Finish.	\$1 25
2072.	Bronze Metal, FLAT Front, No. 3 Finish.	1 75

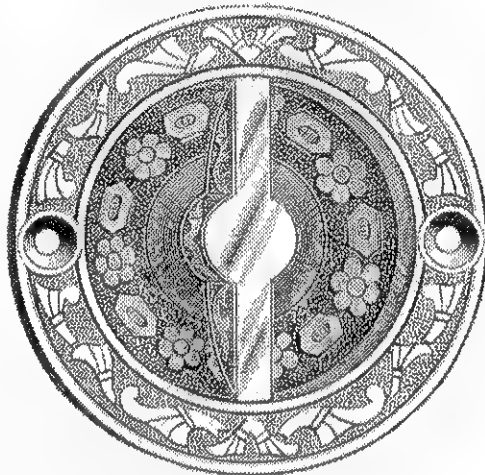
ASTRAGAL FRONTS.

NO.		EACH
5071.	Bronzed Iron, Astragal Front, No. 10 Finish.	\$1 65
2071.	Bronze Metal, Astragal Front, No. 3 Finish.	2 10

No. 10 Finish is a Bronzed Iron, with a Dark Background and Polished Bronze Surface.

Flash Cups and T Handles on Page No. 119, can be used with these Latches.

BRONZED IRON AND BRONZE METAL FLUSH CUP AND T HANDLES.



Nos. 2911 and 5911.



Nos. 2910 and 5910.

BRONZED IRON, No. 10 FINISH.

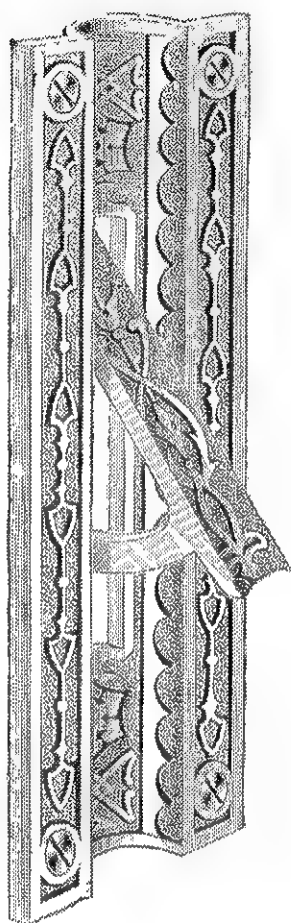
No.		PER PAIR
5911.	Packed with Screws.....	\$2.00
5910.	Packed with Screws.....	2.50

BRONZE METAL, No. 3 FINISH.

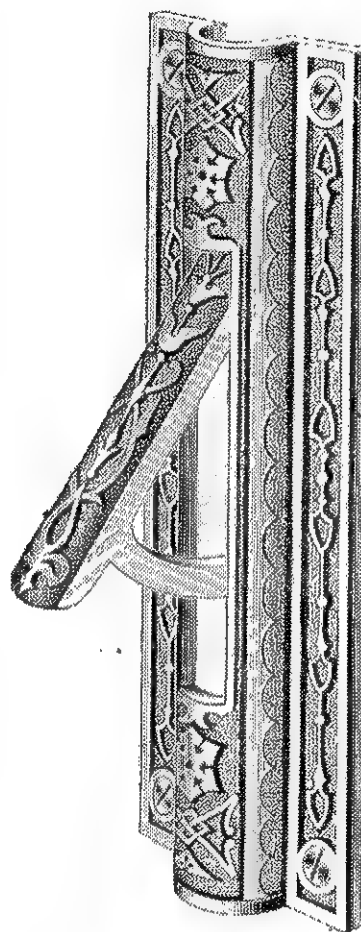
No.		PER PAIR
2911.	Packed with Screws.....	\$3.00
2910.	Packed with Screws.....	3.50

No. 10 Finish is a Bronze Iron, with a Dark Background and Polished Bronze Surface.

BRONZED IRON AND BRONZE METAL SLIDING DOOR PULLS.



Nos. 2900 and 5900



Nos. 2900 and 5900.

FLAT FRONTS.

NO.		EACH.
5901.	Bronzed Iron, No. 10 Finish, FLAT FRONT.....	85
2901.	Bronze Metal, No. 3 Finish, FLAT FRONT.....	1 20

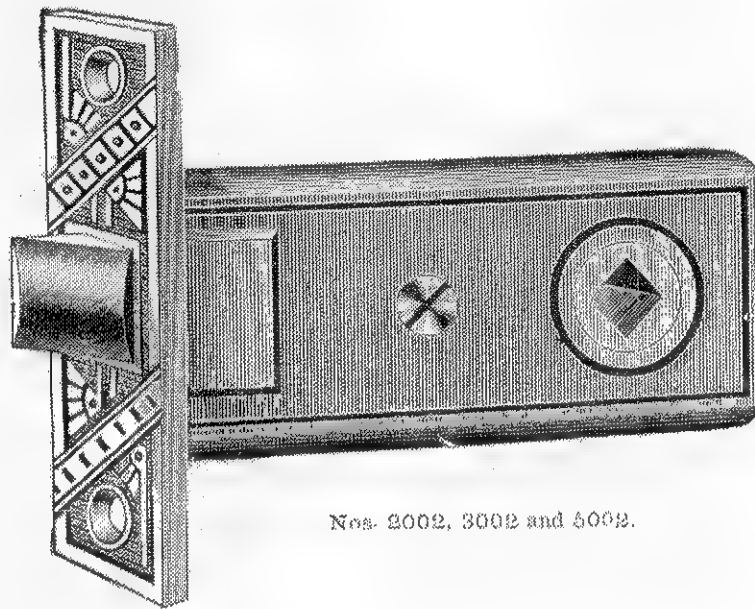
ASTRAGAL FRONTS.

NO.		EACH.
5900.	Bronzed Iron, No. 10 Finish, Astragal Fronts.....	82 25
2900.	Bronze Metal, No. 3 Finish, Astragal Fronts.....	1 20

No. 10 Finish is a Bronzed Iron with a Dark Background and Polished Bronze Surface.

PACKED WITH SCREWS

BRONZED IRON AND BRONZE METAL MORTISE KNOB LATCHES.



Nos. 2002, 3002 and 5002.

ROUND EDGE.

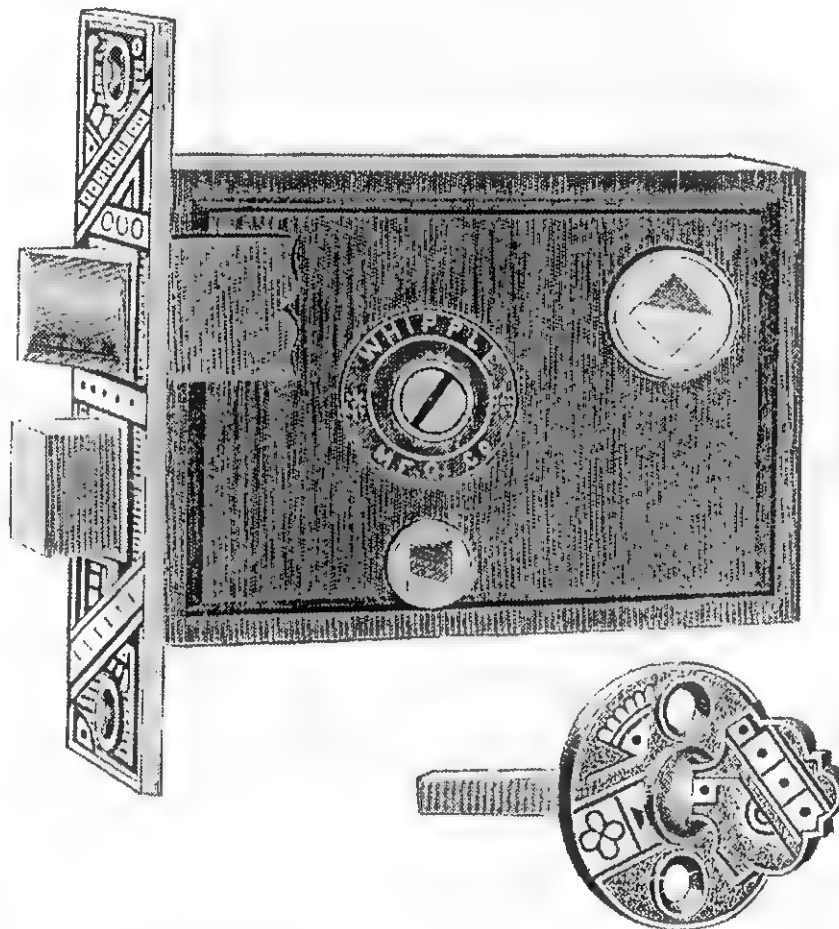
NO.		EACH
3002.	1½ inch, Berlin Bronzed Iron Front and Boh.....	.60
5002.	1½ inch, same as No. 3002, Bronzed Iron, No. 10 FINISH.....	.65
2002.	1½ inch, same as No. 3002, Bronze Metal, No. 2 FINISH.....	.80

No. 10 Finish is Bronzed Iron, with a Dark Background and Polished Bronze Surface.

PACKED WITH 8 REW'S

BRONZED IRON and BRONZE METAL MORTISE BOLT AND KNOB LATCHES.

WITH THUMB KNOBS.



Nos. 2043, 3043 and 5043.

No.		EACH
3043.	2½ inch, Bronzed Iron Front, Bolts and Thumb Knob.	\$1 70
5043.	Same as No. 3043, Bronzed Iron, No. 10 Finish.	1 85
2043.	Same as No. 3043, Bronze Metal, No. 3 Finish.	2 25

No. 10 Finish is Bronzed Iron, with a Dark Background, and Polished Bronze Surface

PACKED WITH SCREWS

LINED, POLISHED BRASS AND BRONZE METAL KNOB LOCKS.



REVERSIBLE LATCH BOLTS

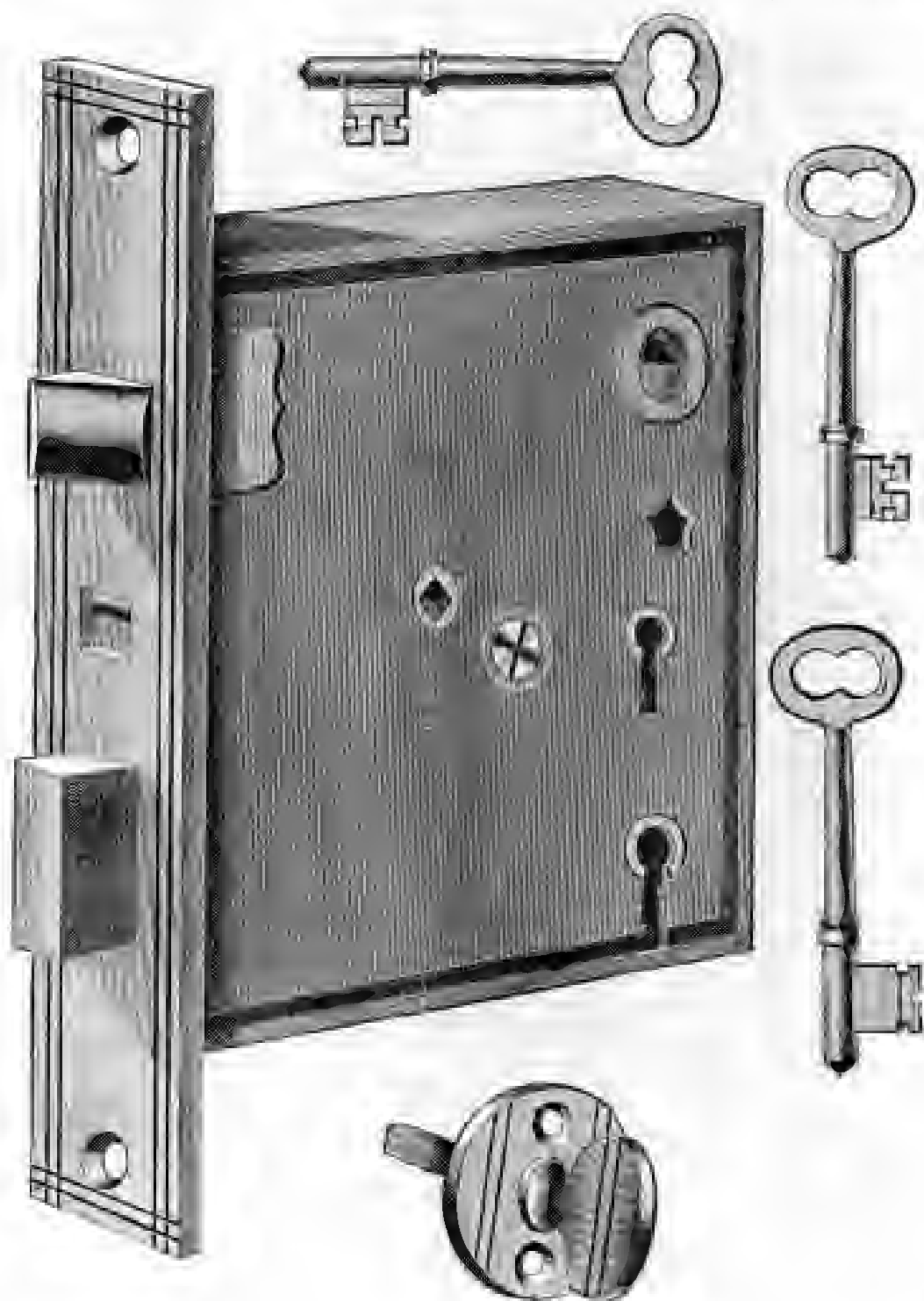
2615.	5 inch, Polished Brass Metal Front, Nickel-plated Steel Fix Key, One Tumbler.	\$4.00
2614.	5 inch, Polished Brass Metal Front, Nickel-plated Steel Fix Key, Three Tumblers.	\$5.00
2616.	5 inch, Polished Brass Front, Nickel-plated Steel Fix Key, One Tumbler.	\$3.00
2617.	5 inch, Polished Brass Front, Nickel-plated Steel Fix Key, Three Tumblers.	\$4.00

The lock of Brass and Nickel-plated Steel for one lock, see Part No. 123 and 124.

Keys for these locks are sold by the pair.

Locks 2615, 2616 and 2617 can be furnished with black finish if desired, or the polished finish. These locks are sold by the pair and the price for these locks is \$1.00 per pair, \$2.00 per pair, \$3.00 per pair.

LINED, POLISHED BRASS and BRONZE METAL FRONT DOOR LOCKS.

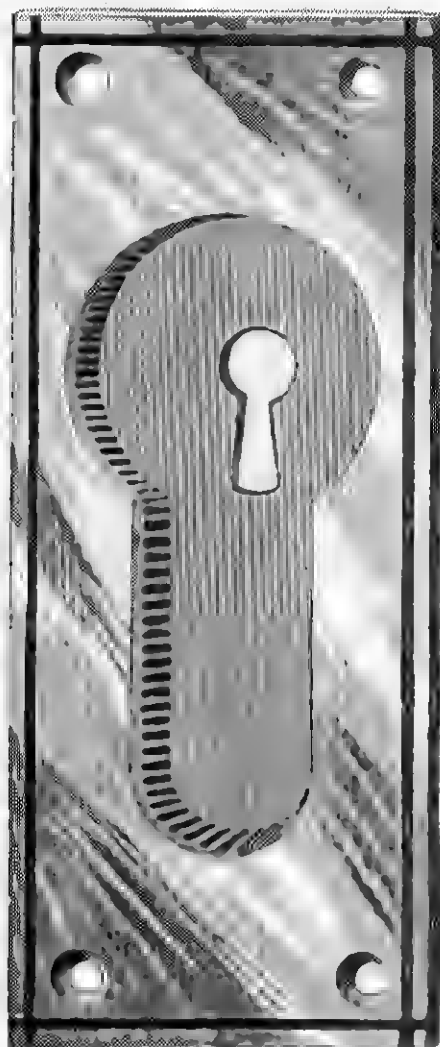


WITH REVERSIBLE LATCH BOLTS.

Price. 1/2 inch, Polished Bronze Front, Strike and Bolts, Bronze Turn Knob, Two Nickeled
Small Night Keys, 1 Tumbler, One Nickeled Steel Key for Locking Bolt, 1 Tumbler, 84 70
Price. 1/2 inch, Same as 1/2 inch, Polished Bronze 84 70

The above list gives the Price and Description of the Locks, as given by the Lock and Key
Company, the Locks being sold on 12th to 10th Street, New York, and 10th Street, New York.

LINED, POLISHED BRASS AND BRONZE METAL,
FLUSH SLIDING DOOR ESCUTCHEONS.



Nos. 2197 and 2198.

POLISHED BRASS.

2197. Lined Polished Brass.....

PER SET OF FOUR.

\$ 1.00

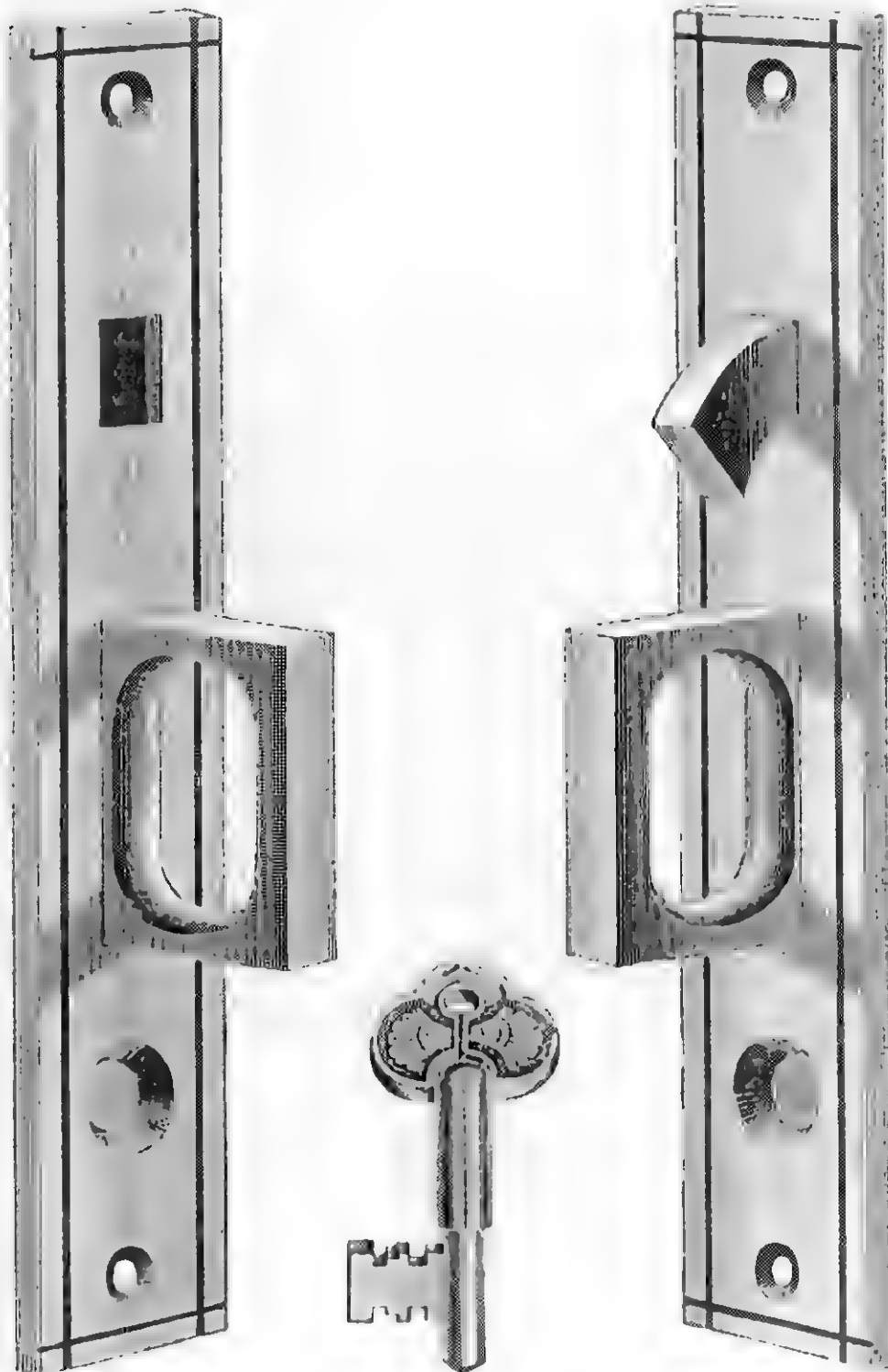
POLISHED BRONZE METAL.

2198. Lined Polished Bronze.....

\$ 1.00

SETS OF TWO, ONE HALF THE ABOVE PRICE.

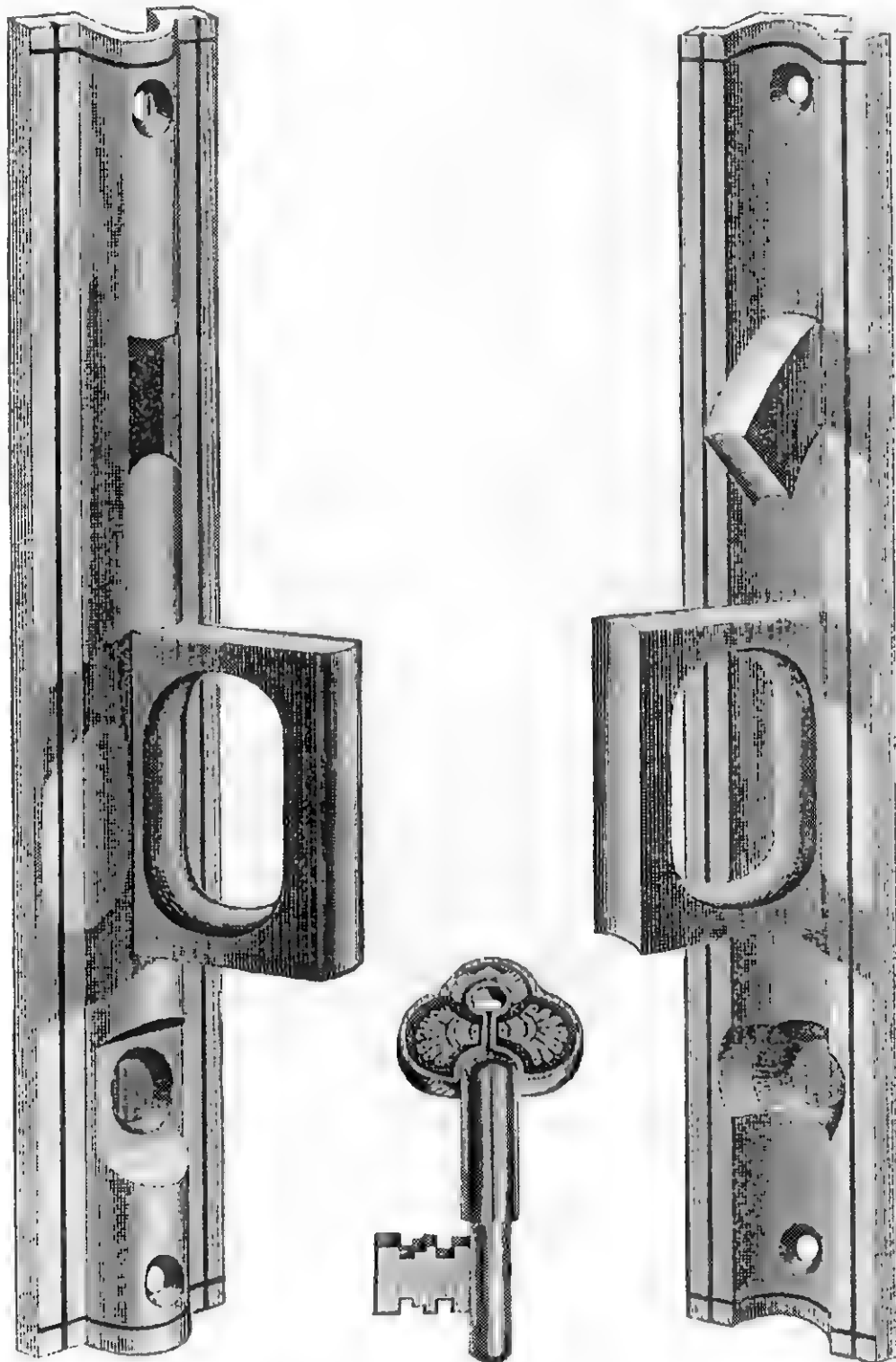
LINED, POLISHED BRASS AND BRONZE METAL,
FLUSH SLIDING DOOR LOCKS.
WITH FLUSH PULLS.



FLAT FRONTS.

These Cuts illustrate the Fronts of Locks described on Page No. 1.

LINED, POLISHED BRASS AND BRONZE METAL,
FLUSH SLIDING DOOR LOCKS.
WITH FLUSH PULLS.



ASTRAGAL FRONTS.

These Cut illustrate the Fronts of Locks on Page No. 131.

LINED, POLISHED BRASS AND BRONZE METAL, FLUSH SLIDING DOOR LOCKS.

WITH FLUSH PULLS.

For Cuts of Locks see Pages No. 129 and 130.

For Cuts of Escutcheons see Page No. 128.

FLAT FRONTS, FOR SINGLE DOORS.

NO.			WITH TWO ESCUTCHEONS.
			PER SET.
2140.	5½ inch, Lined, Polished Brass, Flat Front, Folding Key, with Two No. 2197 Escutcheons.....		\$9 50
2141.	5½ inch, same as No. 2140, but Lined Polished Bronze.....		9 50

FLAT FRONTS, FOR DOUBLE DOORS.

NO.			WITH FOUR ESCUTCHEONS.
			PER SET.
2143.	5½ inch, Lined, Polished Brass, Flat Fronts, Folding Key, with Four 2197 Escutcheons.....		\$14 00
2144.	5½ inch, same as No. 2143, but Lined Polished Bronze.....		14 00

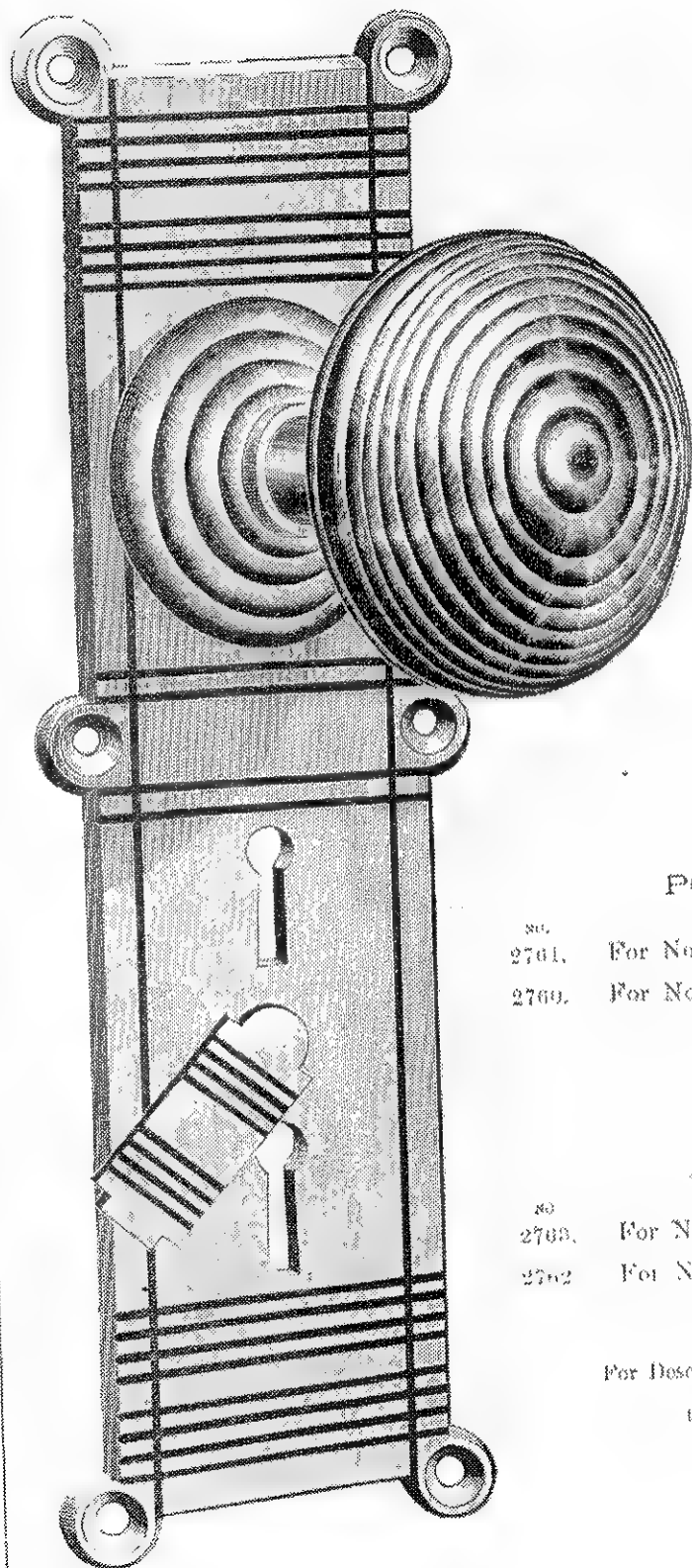
ASTRAGAL FRONTS, FOR DOUBLE DOORS.

NO.			WITH FOUR ESCUTCHEONS.
			PER SET.
2146.	5½ inch, Lined, Polished Brass, Astragal Fronts, Folding Key, with Four No. 2197 Escutcheons.....		\$14 50
2147.	5½ inch, same as No. 2146, but Lined Polished Bronze.....		14 50

IN ORDERING BE PARTICULAR TO GIVE EXACT THICKNESS OF DOORS

Keys for these Lock are Class No. 89

AND SET IN A BOX WITH SCREWS



LINED,
POLISHED BRASS
AND
BRONZE METAL,
ROSE
AND
ESCUTCHEONS.

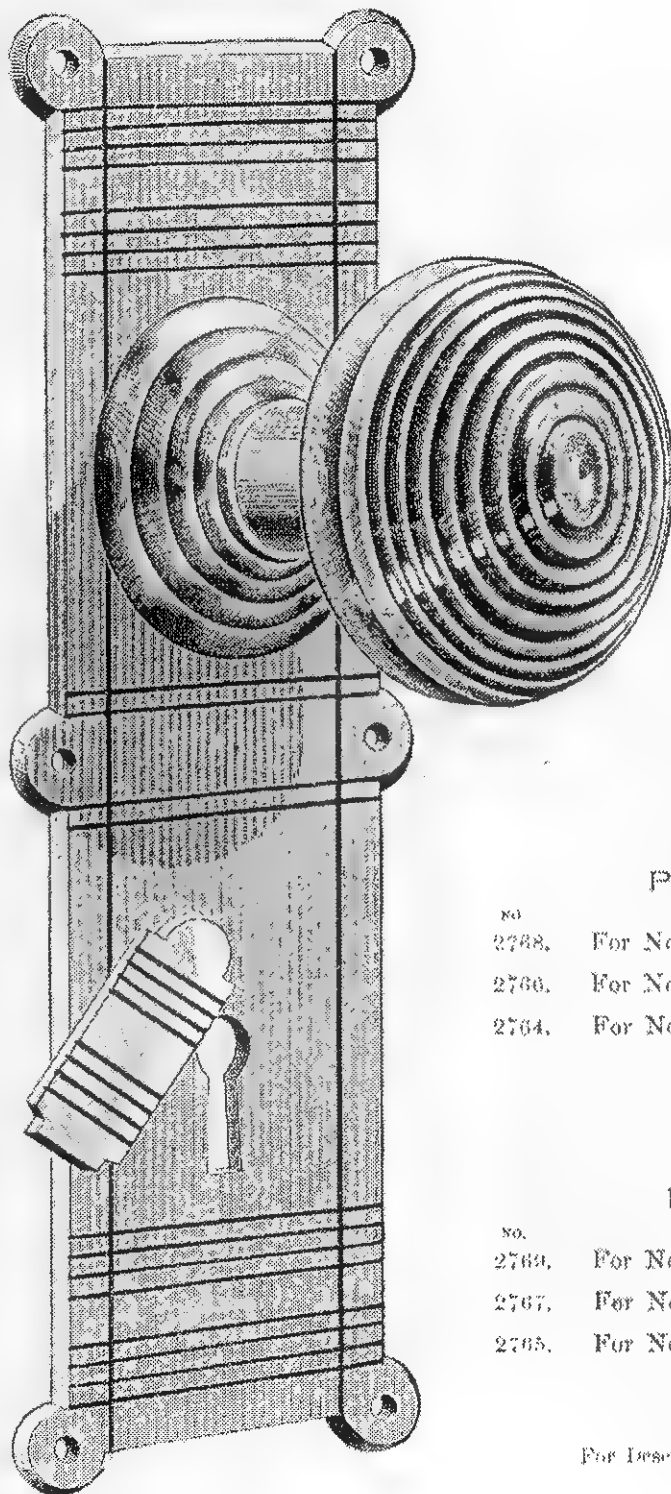
POLISHED BRONZE.

NO.		EACH.
2761.	For No. 2538 Front Door Lock.....	\$2 50
2760.	For No. 2590 Front Door Lock.....	2 50

POLISHED BRASS.

NO.		EACH.
2763.	For No. 2658 Front Door Lock....	\$2 50
2762.	For No. 2661 Front Door Lock.....	2 50

For Descriptions and Prices of Door Knobs to match
these Escutcheons, see Page No. 130



LINED,
POLISHED BRASS
AND
BRONZE METAL,
ROSE
AND
ESCUTCHEONS.

POLISHED BRONZE.

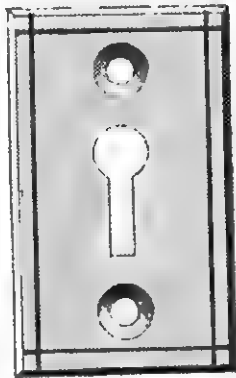
NO.		EACH.
2788.	For No. 2558½ Vestibule Latch.....	\$2 25
2760.	For No. 2500½ Vestibule Latch.....	2 25
2764.	For No. 2614 and 2615 Locks.....	2 25

POLISHED BRASS.

NO.		EACH.
2769.	For No. 2658½ Vestibule Latch.....	\$2 25
2767.	For No. 2601½ Vestibule Latch.....	2 25
2765.	For No. 2616 and 2617 Locks.....	2 25

For Description and Prices of Door Knobs to match
these Escutcheons see next Page

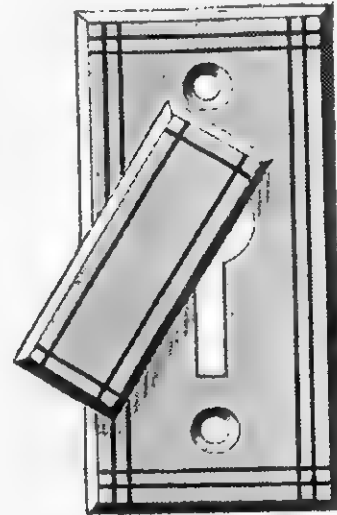
LINED, POLISHED BRONZED or BRASS ESCUTCHEONS.



Nos. 2194 and 2195



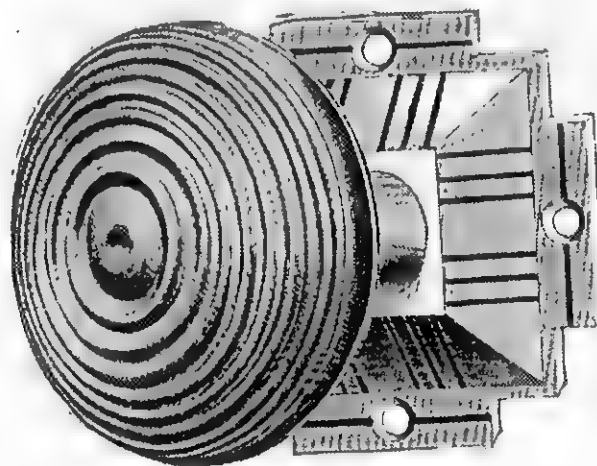
Nos. 2192 and 2193.



Nos. 2190 and 2191.

NO.	EACH.	NO.	EACH.	NO.	EACH.
2194.	$\frac{3}{4}$ inch Key Hole, Polished Bronze, .25	2192.	$\frac{3}{4}$ inch Key Hole, Polished Bronze, .50	2190.	$\frac{3}{4}$ inch Key Hole, Polished Bronze, .75
2195.	$\frac{3}{4}$ inch Key Hole, POLISHED BRASS, .25	2193.	$\frac{3}{4}$ inch Key Hole, POLISHED BRASS, .50	2191.	$\frac{3}{4}$ inch Key Hole, POLISHED BRASS, .75

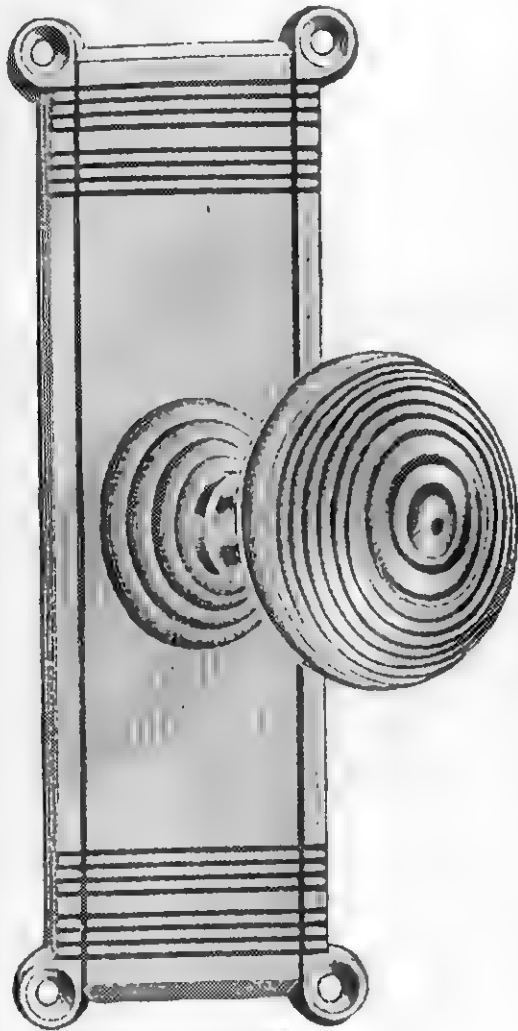
LINED, POLISHED BRONZED or BRASS DOOR KNOBS.



NO.	PRICE
2500.	$2\frac{1}{2}$ by $2\frac{1}{2}$ inch, Polished Bronze, Square Rose \$1.50
2501.	$2\frac{1}{2}$ inch, Polished Bronze, Square Rose 1.00
2502.	$2\frac{1}{2}$ x $2\frac{1}{2}$ inch, POLISHED BRASS, Square Rose 1.00
2503.	$2\frac{1}{2}$ inch, POLISHED BRASS, Square Rose 1.00

For Description and Prices of Bell Pulls to match these Knobs see next Page.

LINED, POLISHED BRASS AND BRONZE METAL
BELL PULLS AND FLUSH BOLTS.



Nos. 2871 and 2872

LINED BELL PULLS.

No.	Size	Material	Price
2871	1 1/2 inch	Polished Bronze	25.00
2872	1 1/2 inch	Polished Brass	8.00

EXTENSION STOP FLUSH BOLTS.

The Bolt is released by pressing the Lever under the Knob.

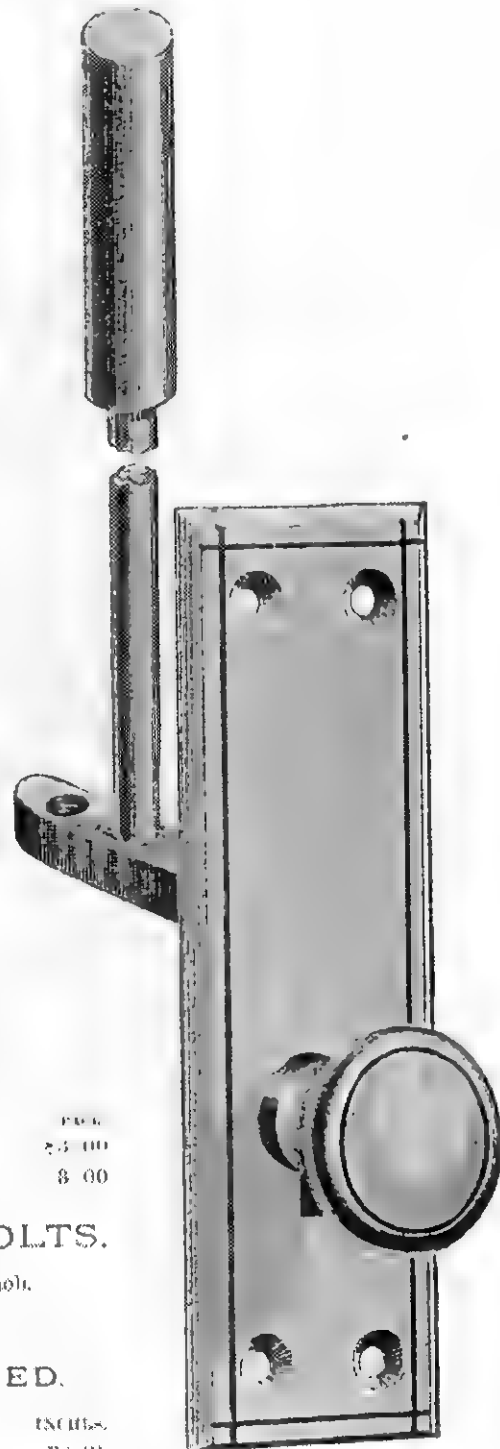
PACKED COMPLETE WITH SCREWS

No. 2176, BRONZE METAL, LINED.

Size	12	18	24	30	36	48	INCHES.
LIST.	\$1.15	2.75	3.00	4.10	4.25	4.75	EACH.

No. 2177, POLISHED BRASS, LINED

Size	12	18	24	30	36	48	INCHES.
LIST.	\$1.15	2.75	3.00	4.10	4.25	4.75	EACH.



Nos. 2176 and 2177.

LINED, POLISHED BRASS AND BRONZE METAL,
 REVERSIBLE LOOSE PIN BUTTS.
 STEEL BUSHED.



No. 840, POLISHED BRONZE METAL.

SIZE.	3 x 3	3½ x 3½	4 x 4	4½ x 4½	5 x 5	5½ x 5½	6 x 6	INCHES.
LIST.	\$5.40	6.17	8.10	9.75	10.80	13.95	14.67	PER PAIR.

No. 40, POLISHED BRASS

SIZE.	3 x 3	4 x 4	4½ x 4½	5 x 5	5½ x 5½	6 x 6	INCHES.
LIST.	6.17	8.10	9.75	10.80	13.95	14.67	PER PAIR.

LINED, POLISHED BRASS AND BRONZE METAL,
LOOSE PIN CAPPED BUTTS.

STEEL BUSHED



REVERSIBLE.

No. 841, POLISHED BRONZE METAL.

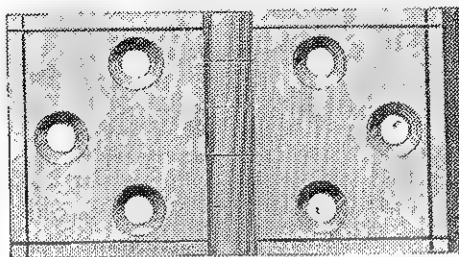
	1/2"	3/4"	1"	1 1/4"	1 1/2"	1 3/4"	2"	INCHES.
PAIR	5 10	6 17	8 10	9 70	10 80	13 95	14 67	PER PAIR

No. 41, POLISHED BRASS.

	1/2"	3/4"	1"	1 1/4"	1 1/2"	1 3/4"	2"	INCHES.
PAIR	5 10	6 17	8 10	9 70	10 80	13 95	14 67	PER PAIR

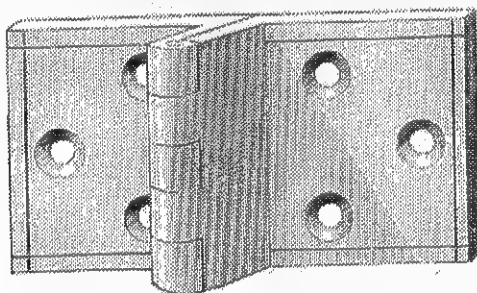
ONE PAIR IN A BOX, WITH SCREWS

LINED, POLISHED BRASS AND BRONZE METAL BUTTS.



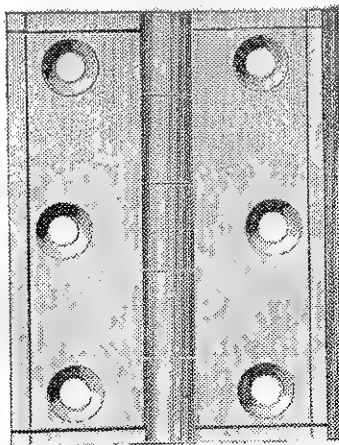
Nos. 47 and 48.

No.		PER DOZ. PAIRS.
47.	1½ x 2½ inch, Polished Bronze.....	\$8 00
48.	1½ x 2½ inch, Polished Brass.....	8 00



Nos. 49 and 50.

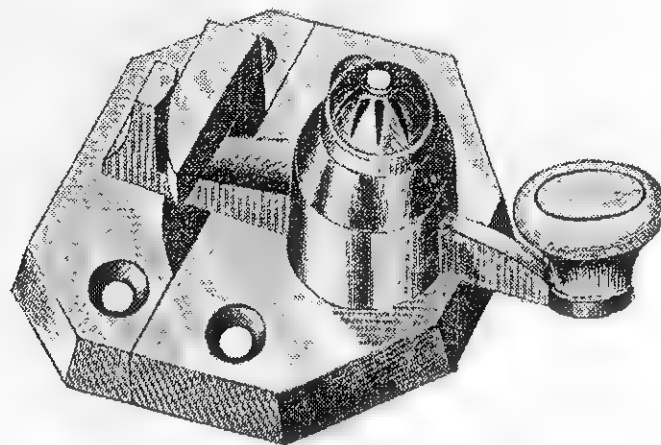
No.		PER DOZ. PAIRS.
49.	1½ x 2½ inch, Polished Bronze.....	\$21 00
50.	1½ x 2½ inch, Polished Brass.....	21 00



No. 45 and 46.

No.		PER DOZ. PAIRS.
45.	2½ x 1½ inch, Polished Bronze.....	\$18 00
46.	2½ x 1½ inch, Polished Brass.....	18 00

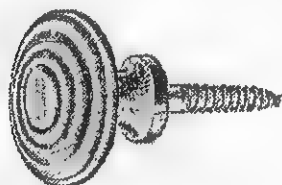
LINED, POLISHED BRASS AND BRONZE METAL SASH FASTENERS.



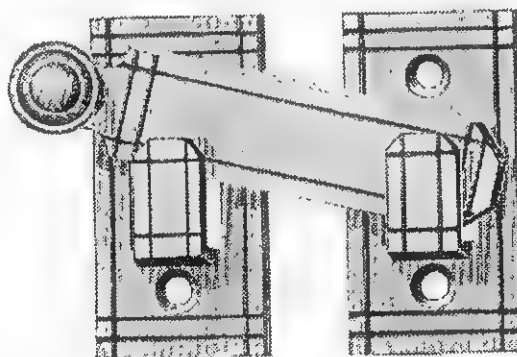
Nos. 2470 and 2471.

No.		PER DOZ.	No.		PER DOZ.
2470.	Polished Bronze.....				\$18.00
2471.	Polished Brass.....				18.00

SHUTTER KNOBS. SHUTTER BARS.



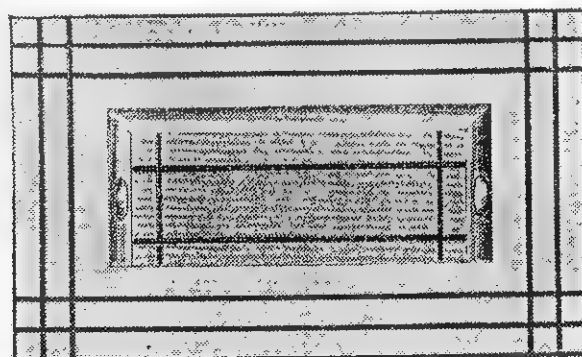
Nos. 2110 and 2111.



Nos. 3947 and 3949.

No.		PER DOZ.	No.		PER DOZ.
2110.	Polished Bronze.....	82.10	3949.	2 1/2 inch, Polished Bronze.....	\$9.00
2111.	Polished Brass.....	2.10	3947.	2 1/2 inch, Polished Brass.....	9.00

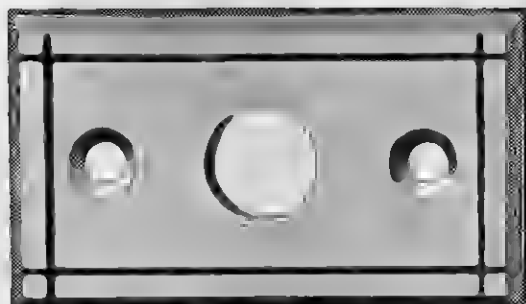
SASH LIFTS.



Nos. 2927 and 2928.

No.		PER DOZ.	No.		PER DOZ.
2927.	3 x 1 1/4 inches, Polished Bronze..				\$4.75
2928.	3 x 1 1/4 inches, Polished Brass..				4.75

SASH PLATES.



1/2" x 1 1/2" x 1 1/2" Polished Bronze
 1/2" x 1 1/2" x 1 1/2" Polished Brass

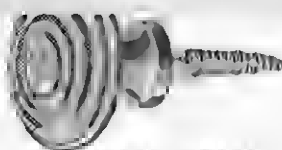
1/2" x 1 1/2" x 1 1/2"
 1/2" x 1 1/2" x 1 1/2"

SASH LIFTS OR PULLS.

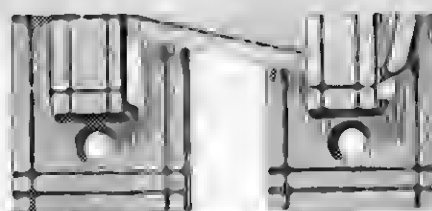


1/2" x 1 1/2" x 1 1/2" Polished Bronze
 1/2" x 1 1/2" x 1 1/2" Polished Brass

1/2" x 1 1/2" x 1 1/2"
 1/2" x 1 1/2" x 1 1/2"



Small (1/2" x 1 1/2")



Small (1/2" x 1 1/2") and (1/2" x 1 1/2")

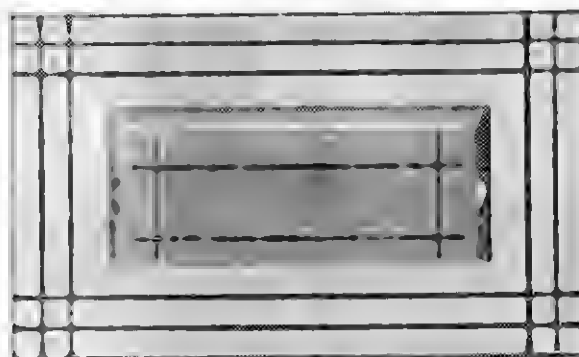
1/2" x 1 1/2" x 1 1/2" Polished Bronze
 1/2" x 1 1/2" x 1 1/2" Polished Brass

1/2" x 1 1/2" x 1 1/2"
 1/2" x 1 1/2" x 1 1/2"

1/2" x 1 1/2" x 1 1/2" Polished Bronze
 1/2" x 1 1/2" x 1 1/2" Polished Brass

1/2" x 1 1/2" x 1 1/2"
 1/2" x 1 1/2" x 1 1/2"

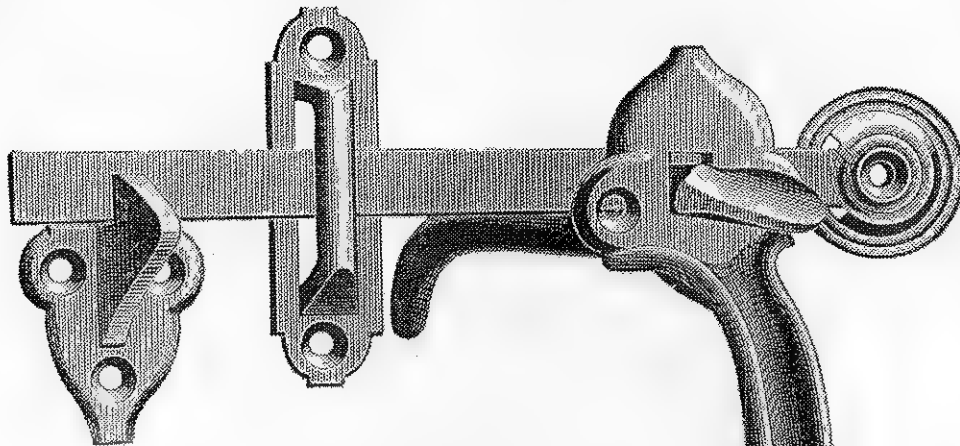
SASH LIFTS.



Small (1/2" x 1 1/2") and (1/2" x 1 1/2")

1/2" x 1 1/2" x 1 1/2" Polished Bronze
 1/2" x 1 1/2" x 1 1/2" Polished Brass

1/2" x 1 1/2" x 1 1/2"
 1/2" x 1 1/2" x 1 1/2"



BARN DOOR LATCHES.

EXTRA HEAVY.

No.		PER DOZ.
5.	Japanned, with Handle.....	\$3 50

ONE DOZEN IN A BOX.

Half Size Cut of No. 5.



Barn Door Hasps & Latches

LONG HEAVY HASPS WITH
STAPLE CATCH.

No.		PER DOZ.
9.	Japanned, with Handle.....	\$3 25

ONE DOZEN IN A BOX.

Half Size Cut of No. 9.

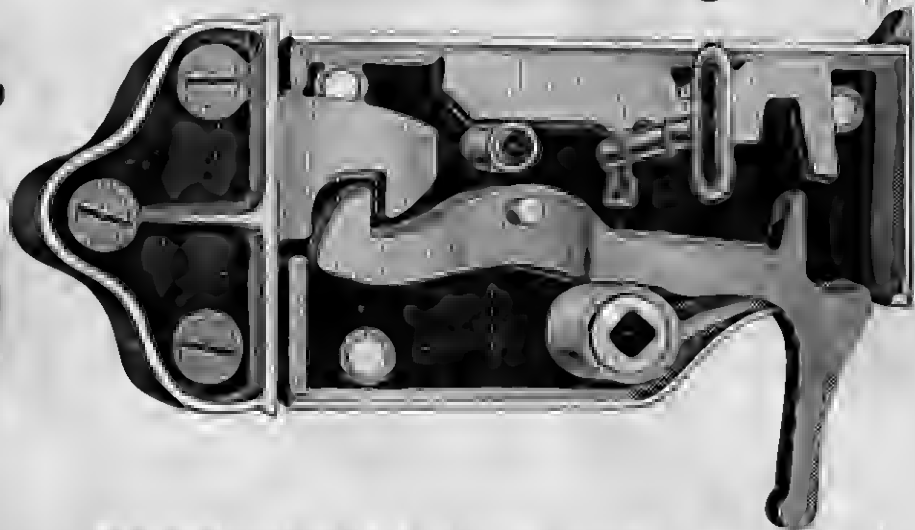
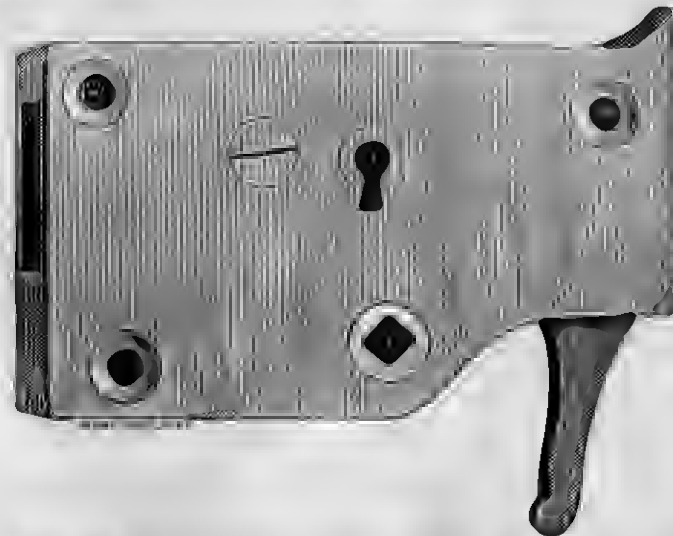
140A

REED, SON & CO. DETROIT

MACK AND REDWAY'S SELF-ACTING SLIDING DOOR CATCH AND LOCK COMBINED



Two Keys furnished with
Each Lock



This device will operate without a key and by simple construction, thus avoiding all
trouble of setting and resetting. The device is made of heavy metal and is made to a point over
the door and will operate in any position of the door and will not be affected by
the expansion and contraction of the door.

THE ONLY SLIDING DOOR CATCH OPERATED
WITHOUT A SPRING

Adapted to all Heavy Sliding Doors

This device is made of heavy metal and is made to a point over the door and will operate in any position of the door and will not be affected by the expansion and contraction of the door.

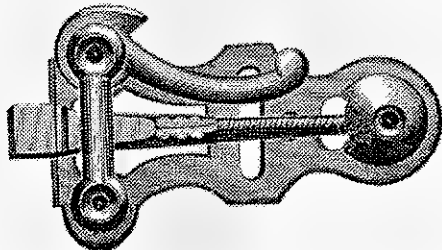
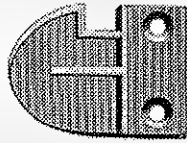
100, Mack & Redway - Sliding Door Catch and Lock Combined

100

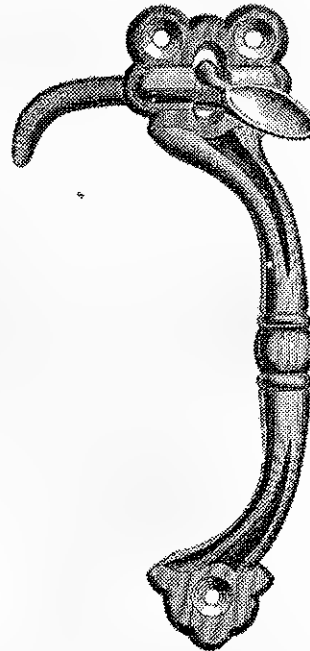
Model One, Model Two, with detail for the door and frame

100, Mack & Redway - Sliding Door Catch and Lock Combined

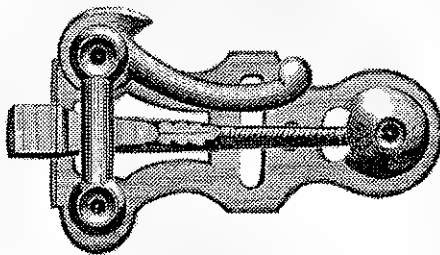
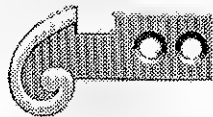
JAPANNED DROP LATCHES.



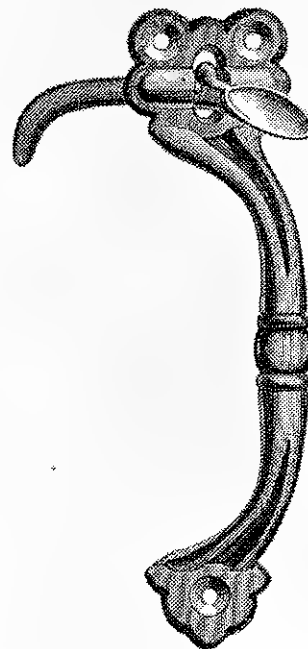
Half Size Out of Nos. 30 and 130.



No.		Price
30	Japped,	\$1.10
130.	Japped, Packed with Screws	1.75



Half Size Out of No. 32.

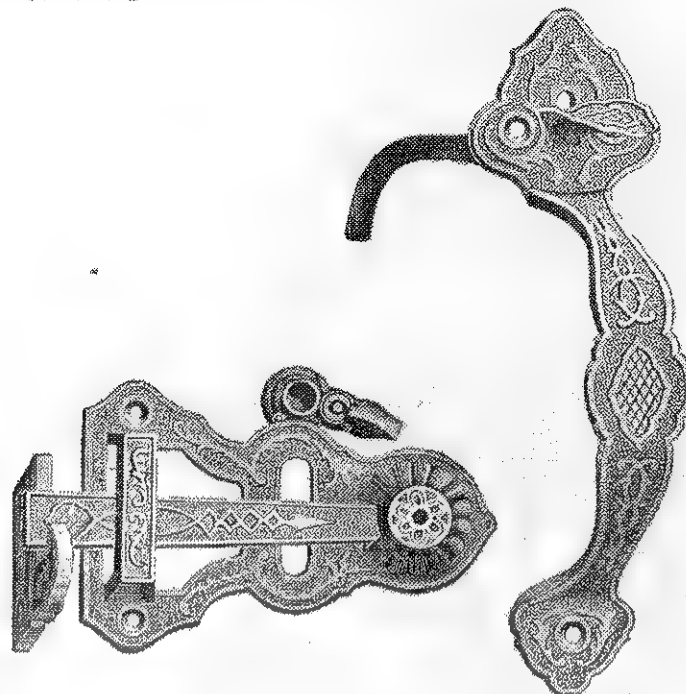


EXTRA HEAVY.

No.		Price
32.	Japped, Extra Heavy	\$1.50

ONE HALF DOZEN IN A BOX

TUSCAN BRONZED DROP LATCHES.



Half Size Cat.

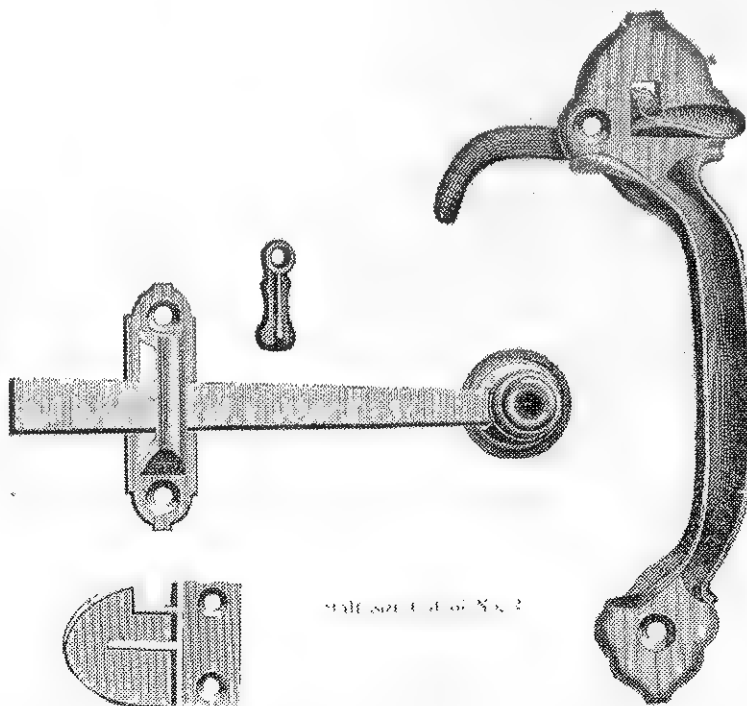
44.
63.

Tuscan Bronzed, Packed with Screws.....

ONE-HALF DOZEN IN A BOX.

PACK BOX.
\$2.25

JAPANNED DOOR HANDLES.



23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 105

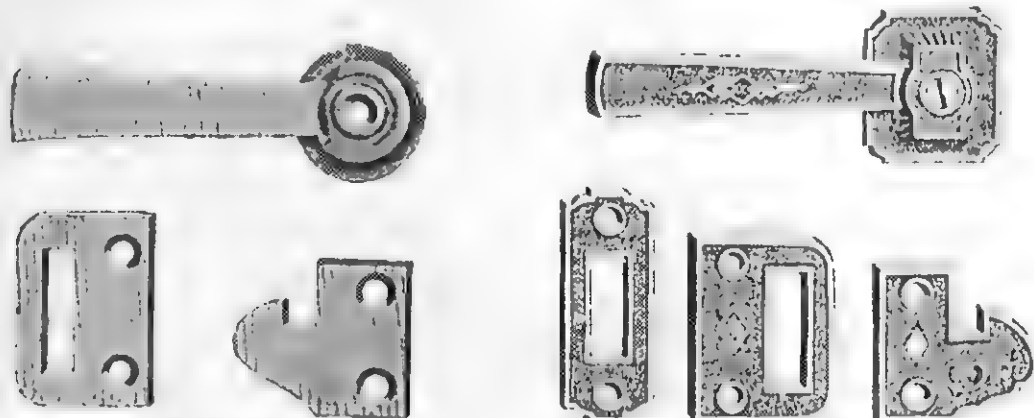
JAPANNED WROUGHT LATCHES.

115

$\mathcal{N}_{\text{eff}} = 10.75$ at z_{dec} and $\mathcal{N}_{\text{eff}} = 10.25$ at z_{reio} . The evolution of \mathcal{N}_{eff} is shown in Figure 1. The evolution of \mathcal{N}_{eff} is shown in Figure 1. The evolution of \mathcal{N}_{eff} is shown in Figure 1.

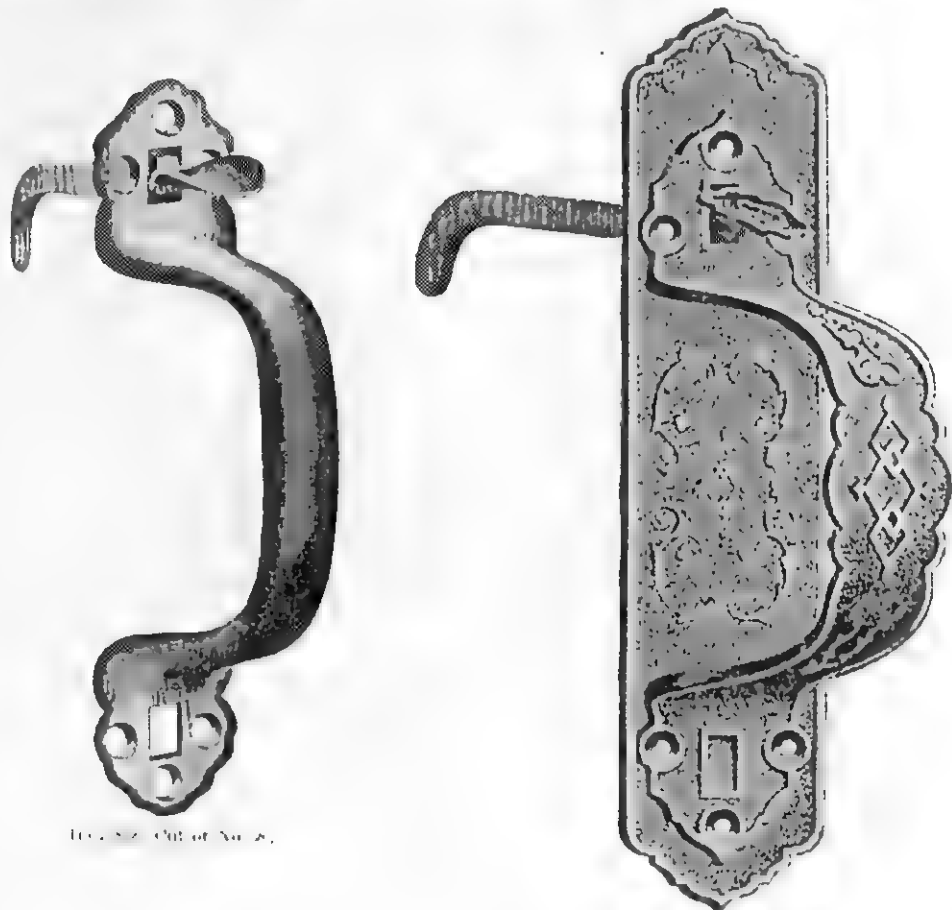
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 10

STORE DOOR HANDLES.



Half Size Out of Lot based on No. 1 Store Door Handles

Half Size Out of Lot based on No. 1 Store Door Handles



Half Size Out of Lot No. 2

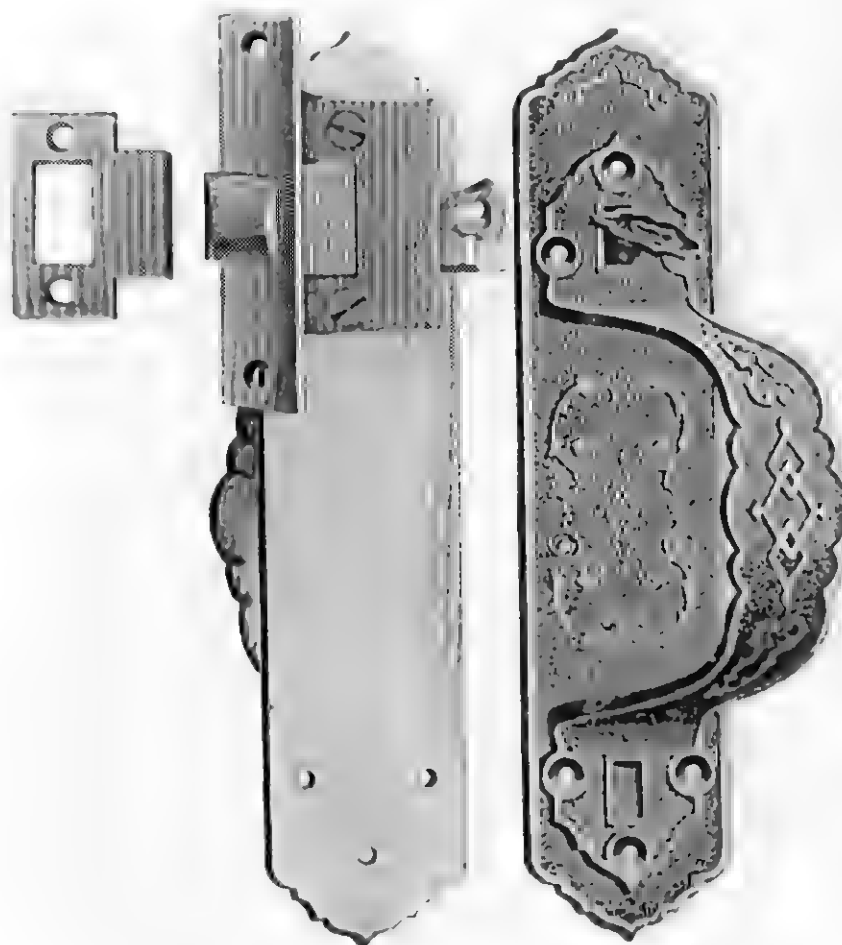
Half Size Out of Lot No. 1

For either Right or Left Hand

- | | | |
|----|---|--------|
| 1. | Unpainted, without Plate (see Cut) | \$2.00 |
| 2. | Unpainted, with Plate | 1.00 |
| 3. | Painted, with Plate, put on with Nuts | 1.00 |
| 4. | Painted, with Plate, Complete with Screws | 1.00 |

ONE PAIR DOZEN EACH

BERLIN BRONZED
STORE DOOR HANDLES.



Half Size Cut.

DOUBLE HANDLE.

For either Right or Left Hand.

144 Berlin Bronzed, Packed with Screws.....

ONE SET IN A BOX

BERLIN BRONZED
STORE DOOR HANDLES.
WITH ANTI-FRICTION STRIKER.



Half Size Cut of No. 145.

DOUBLE HANDLE.

Either Right or Left Handle

BRONZE METAL LATCH BOLT.

100
100

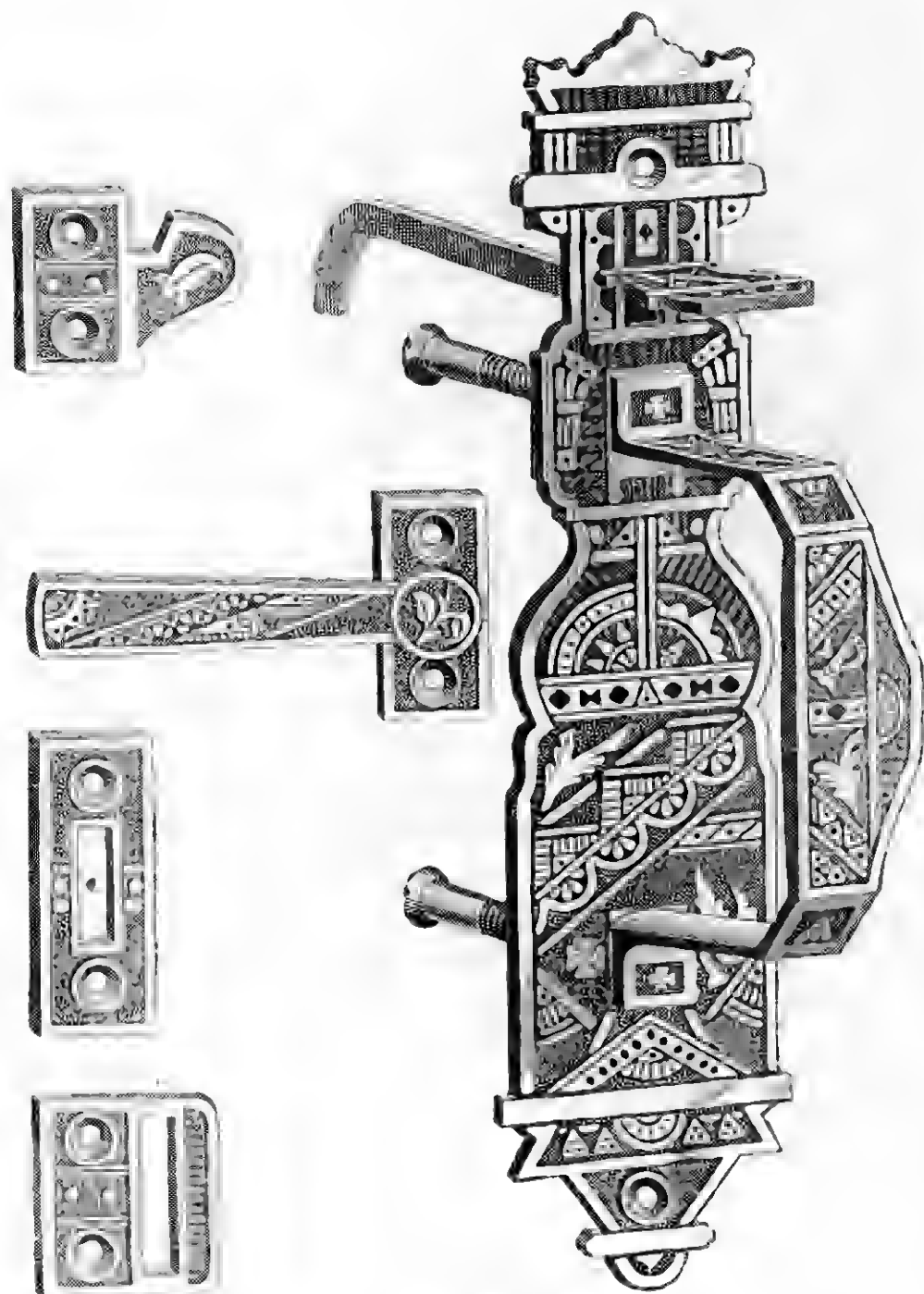
With Flat Front Latch

With Flat Rabbeted Front

100
100
100

THE HILL SON & CO. DETROIT

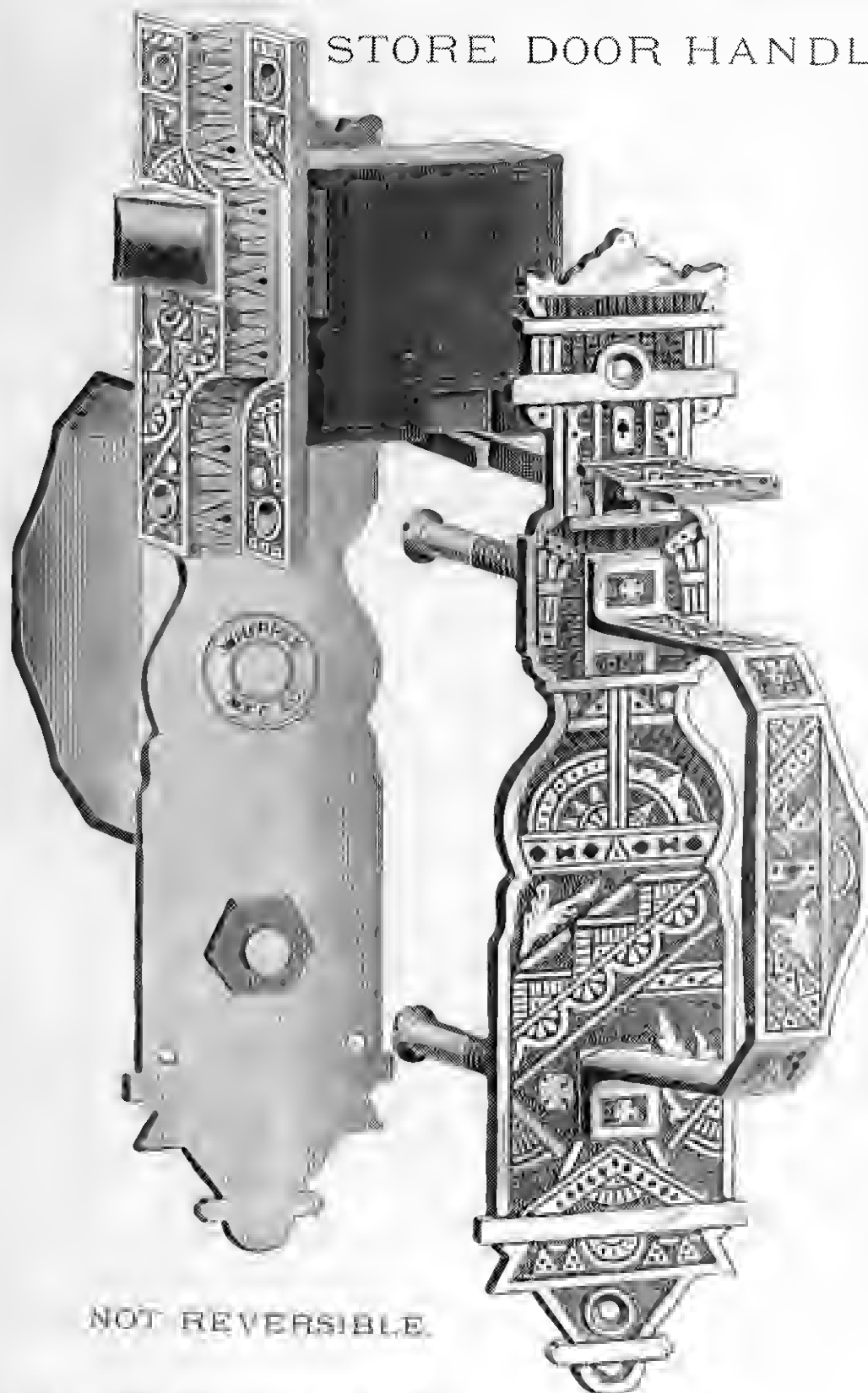
BRONZE METAL
STORE DOOR HANDLES.
WITH THUMB LATCHES.



Patented Nov. 20, 1890.

2108 Bronze Metal, No. 1. Full, Complete with Series.

STORE DOOR HANDLES.



140
141
142
143

1000

111001

With State Property Insured, See, on Fidelity
With National Fruit Lumber, See on Fidelity
With U.S. Property Lumber, Bureau Moral, See, on Fidelity
With National Fruit Lumber, Bureau Moral, See, on Fidelity

38. *id.*, *Harvard Law Review*, 100, 111 (1986).

[illegible]

Model: Model 4 with $\gamma = 0.0001$ and $\beta = 0.0001$.

1. *Journal of the American Medical Association*, 1997; 278: 1039-1044.

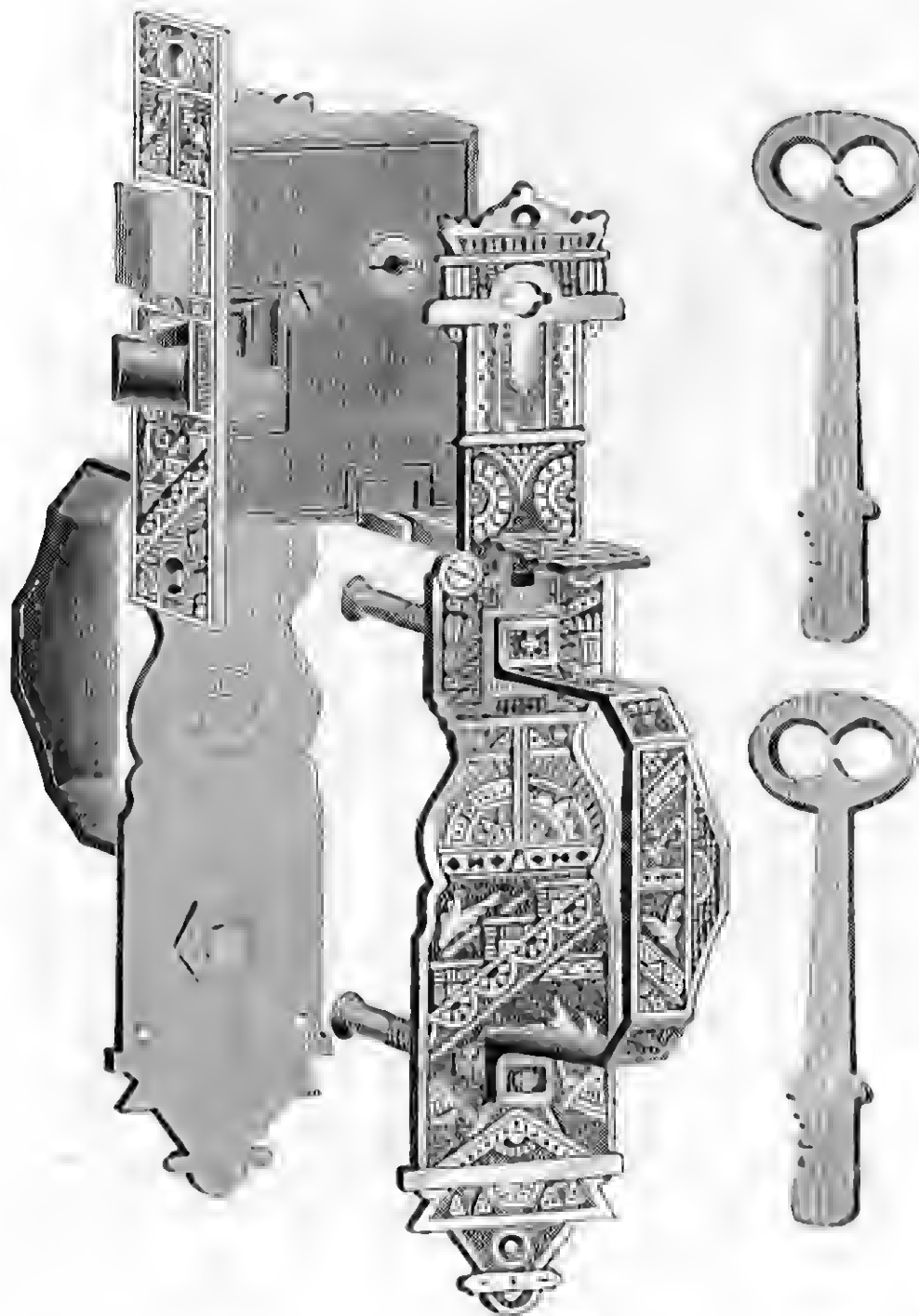
100

10.000 10.000



STORE DOOR HANDLES.

WITH FLAT FRONT LATCHES.



One-half inch thick.

5106. With Flat Front Lock and Anti-Friction Latch, No. 10 Finish.....
 2106. With Flat Front Lock and Anti-Friction Latch, BRONZE METAL, No. 3 Finish,
 No. 10 Finish in Bronzed Iron, with Dark Background and Polished Bronze surface.

Keys for these Locks are Class No. 290

RUTH SONS & CO. DETROIT

115A

RABBETED FRONT LOCK AND LATCH.



For Description see page 115A

1100

WILLIAMS & CO., DETROIT

LINED POLISHED BRASS OR BRONZE

STORE DOOR HANDLES

WITH

MORTISE LOCK AND LATCH,

TWO NICKEL PLATED STEEL KEYS

AND ANTI-FRICTION LATCH

WITH FLAT FRONTS,

2772	Polished Brass, Double Handles, Flat Front Lock and Latch.	\$12.00
2773	Polished Brass, Double Handles, Flat Front Lock and Latch.	\$12.00

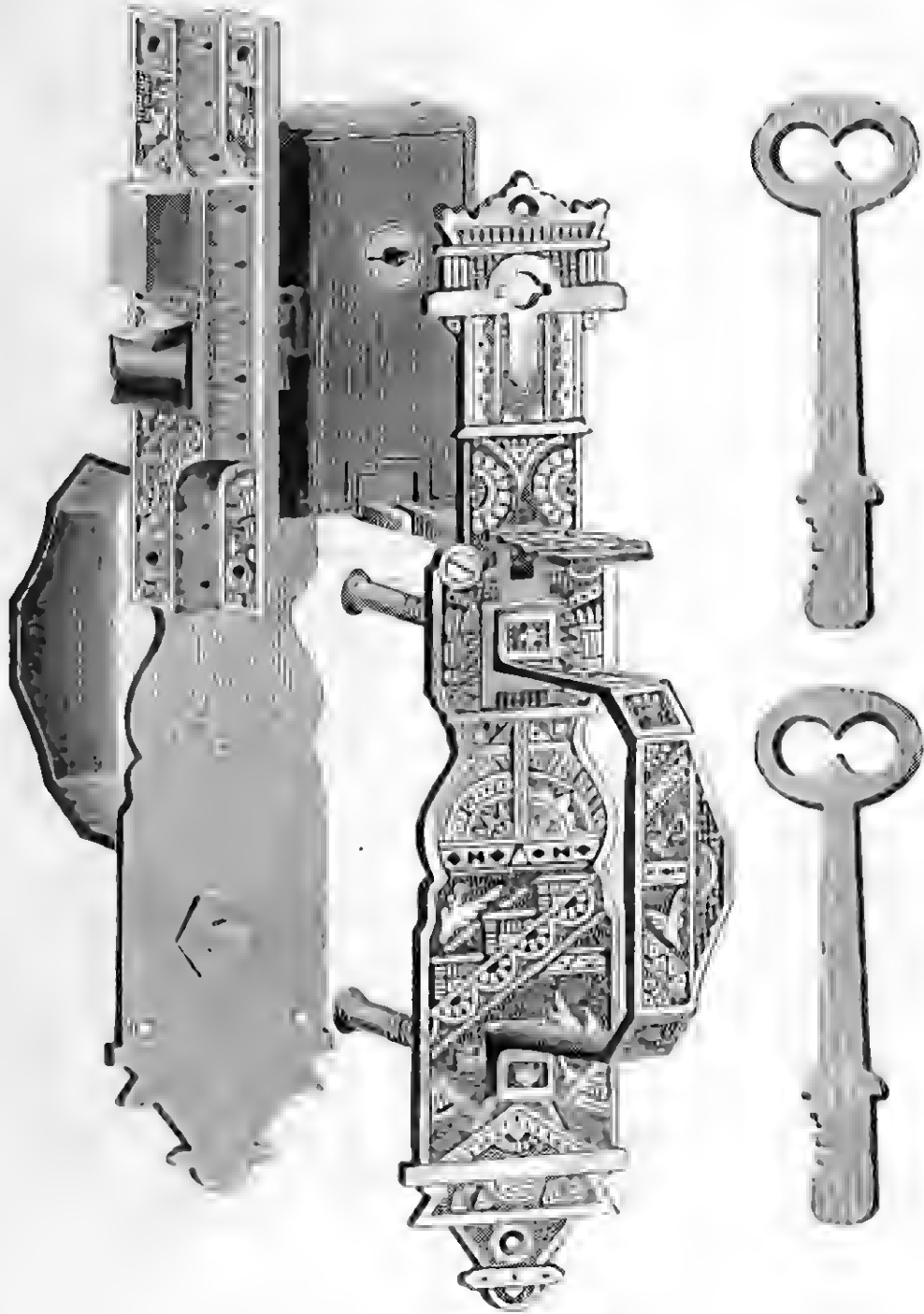
WITH HANDED FRONTS,

2774	Polished Brass, Double Handles, Handed Front Lock and Latch.	\$12.00
2775	Polished Brass, Double Handles, Handed Front Lock and Latch.	\$12.00

ORDER ONE SET OF 25 PAGES TO THE LIST OF THE BEST QUALITY.

THEY ARE THE ONLY SETS OF 25 PAGES TO THE LIST OF THE BEST QUALITY.

STORE DOOR HANDLES, WITH RABBETED FRONT LATCHES.



With Rabbeted Front Lock and Anti-Friction Latch, No. 10 Finish,	PR. \$10 00
With Rabbeted Front Lock and Anti-Friction Latch, Bronze Metal, No. 10 Finish,	13 75

No. 10 Finish is Bronzed Iron, with Dark Red ground and Painted Bronze Surface.

DOOR PULLS.



Half Size Cut of No. 502



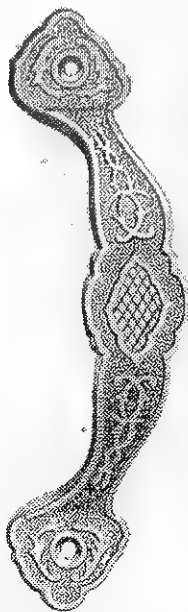
Half Size Cut of No. 503



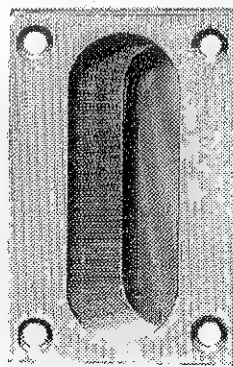
Half Size Cut of No. 504

NO		PER DOZ.
502.	Japanned.....	\$ 55
503.	Japanned, Oblique, Heavy.....	60
504.	Japanned, Straight, Heavy.....	1 10

FLUSH BARN DOOR PULLS.



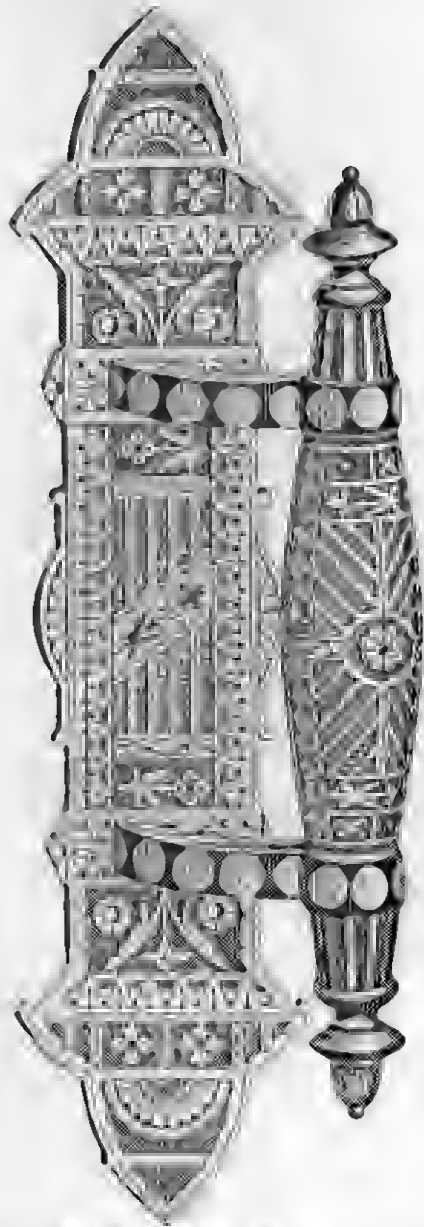
Half Size Cut of No. 513



Half Size Cut of No. 505

NO		PER DOZ.
513.	Berlin Bronze, Door Pulls.....	\$ 1 41
505.	Flush, Japanned Barn Door Pulls.....	1 01

BRONZE METAL
DOOR PULLS AND PUSH PLATES.



Trade Size of No. 100

BRONZE METAL DOOR PULLS.

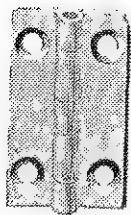
No. 100. Bronze Metal, No. 3 Finish, packed with Screws, \$10.00



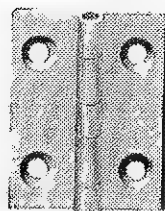
BRONZE METAL PUSH PLATES.

No. 101. Bronze Metal, No. 3 Finish, packed with Screws, \$25.00

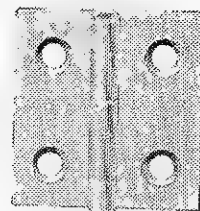
WROUGHT BRASS BUTTS.



1 Inch, Narrow.



1 Inch, Middle.



1 Inch, Broad.

NARROW.

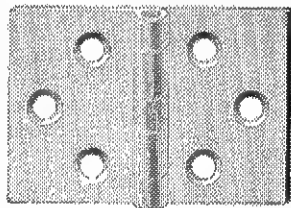
SIZE.	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	INCHES.
LIST.	.38	.38	.42	.48	.60	.78	.96	1 23	1 73	1 92	2 12	2 60	DOZ. PAIRS.

MIDDLE.

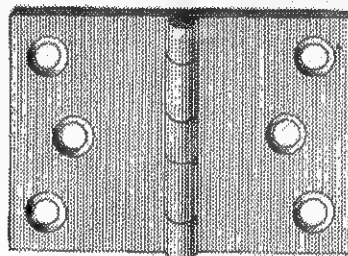
SIZE.	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	INCHES.
LIST.	.45	.45	.48	.54	.67	.87	1 10	1 44	1 80	2 34	2 85	3 70	DOZ. PAIRS.

BROAD.

SIZE.	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	INCHES.
LIST.	.50	.50	.52	.60	.80	1 00	1 30	1 70	2 20	2 60	3 09	4 27	DOZ. PAIRS.



1 Inch, Desk.

 $1\frac{1}{4}$ x $1\frac{3}{4}$ Inch, Shutter.

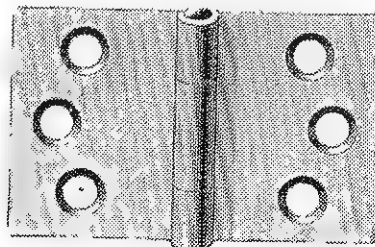
DESK.

SIZE.	$\frac{1}{4}$	$\frac{1}{2}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$2\frac{1}{4}$	$2\frac{1}{2}$	INCHES.
LIST.	.60	.72	.87	1 08	1 27	1 50	1 80	2 70	DOZ. PAIRS.

SHUTTER.

SIZE.	$1\frac{1}{4}$ x $1\frac{1}{2}$	$1\frac{1}{2}$ x 2	$1\frac{1}{4}$ x $2\frac{1}{4}$	INCHES.
LIST.	\$1 35	1 87	2 25	DOZ. PAIRS.

No. 332, Bronzed Light Inside Blind Butts.

 $1\frac{1}{4}$ Inch, Full Size Cut.

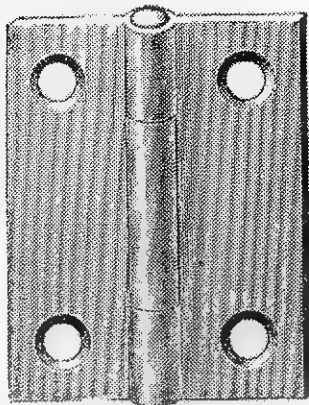
SIZE.	1
LIST.	80

PACKED WITH SCREWS.

SIZE.	$1\frac{1}{4}$
LIST.	80

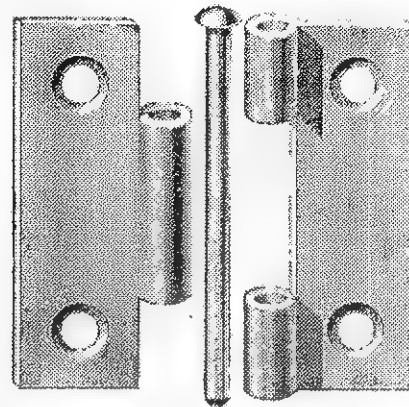
INCHES.
DOZ. PAIRS.

BRONZED WROUGHT IRON LIGHT NARROW BUTTS.



2 inch Full Size.
FAST JOINT.

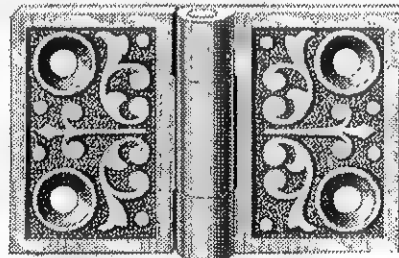
NO.	DOZ. PAIRS.
284. 2 inch92
PACKED WITH SCREWS.	



2 inch Full Size.
LOOSE PIN.

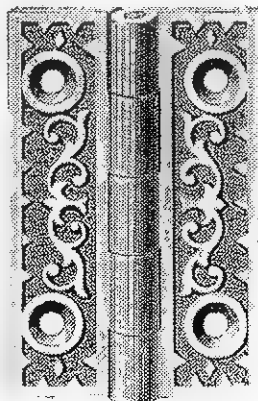
NO.	DOZ. PAIRS.
286. 2 inch	\$1 30
PACKED WITH SCREWS.	

BERLIN BRONZED INSIDE BLIND BUTTS.



Full Size Cut of No. 411.
FAST JOINT.

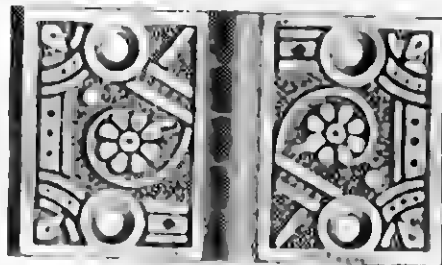
NO.	DOZ. PAIRS.
411. 1 1/2 x 2 inches when open	\$2 50



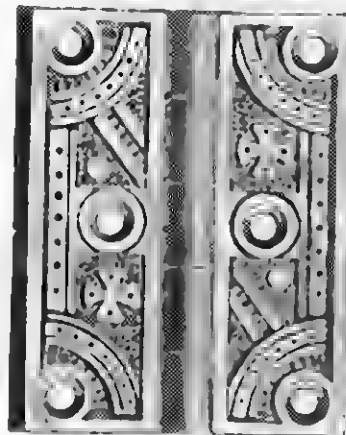
Half Size Cut of No. 411.
FAST JOINT.

NO.	DOZ. PAIRS.
420. 2 x 1 1/2 inches when open	\$2 00

BRONZED IRON AND BRONZE METAL SHUTTER BUTTS.



Nos. 55 and 56. Fast Joint.

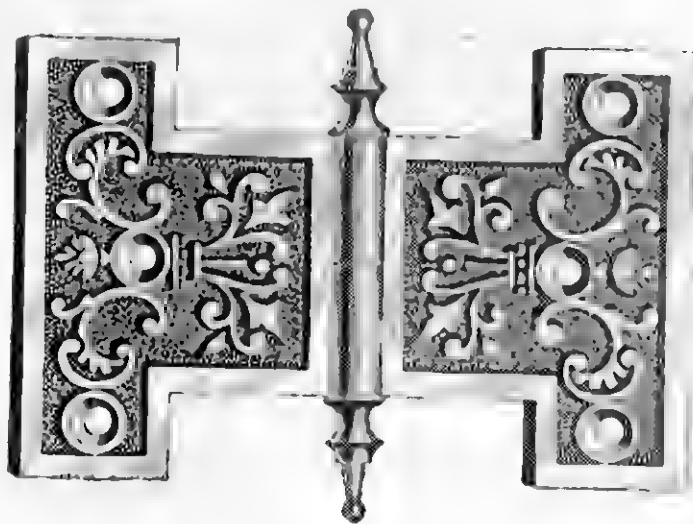
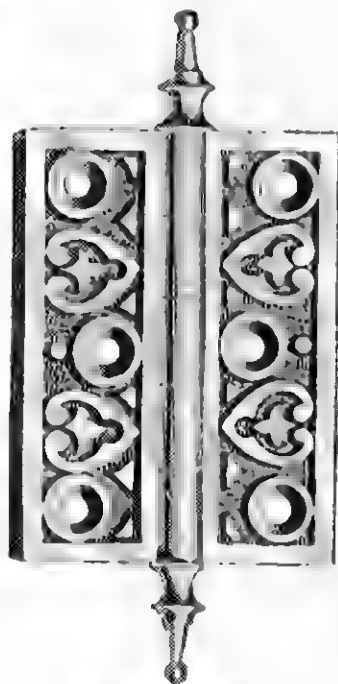


Nos. 51 and 54. Fast Joint.

50	1 x 2 1/2 inches, Bronze Metal, No. 3 Finish.	10 00
51	1 x 1 1/2 inches, Bronze Metal, No. 3 Finish.	10 00

No. 10 FINISH SHUTTER BUTTS.

52	1 1/2 x 2 1/2 inches, Bronzed Iron, No. 10 Finish.	10 00
53	2 1/2 x 1 1/2 inches, Bronzed Iron, No. 10 Finish.	10 00



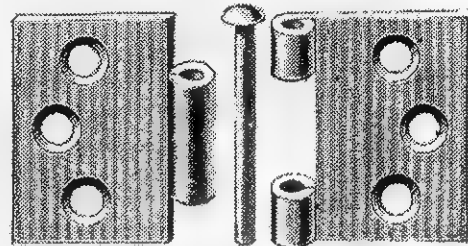
No. 52. Fast Joint.

No. 53. Fast Joint.

54	1 x 1 1/2 inches, Bronze Metal, No. 3 Finish.	10 00
55	1 x 1 1/2 inches, Bronze Metal, No. 3 Finish.	10 00
56	1 x 1 1/2 inches, Bronze Metal, No. 3 Finish, With One Tip.	10 00

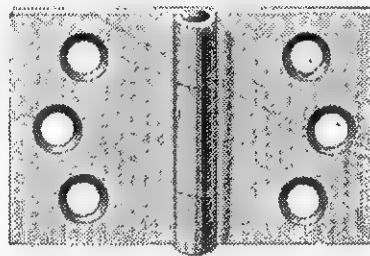
No. 10 Finish of Bronzed Iron, with a Dark Backer and a Finial of Bronze Metal.

WROUGHT IRON LIGHT INSIDE BLIND BUTTS.



1 1/2 Inch. Full Size.

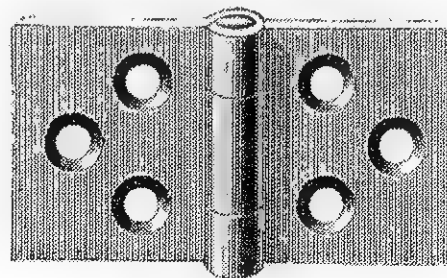
NO.		DOZ. PAIRS
842.	1 1/2 inch, FAST JOINT.....	.50
842.	1 1/2 inch, FAST JOINT.....	.55



1 1/2 Inch. Full Size.

NO.		DOZ. PAIRS.
844.	1 1/2 inch, Loose Pin.....	.75

No. 816, Wrought Iron Square Back Flaps.

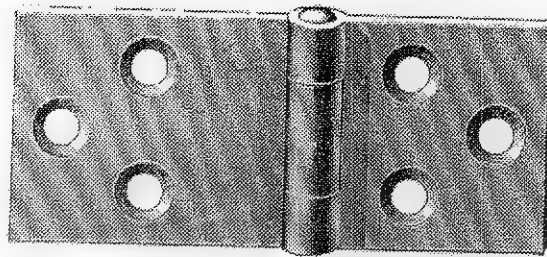


1 1/2 Inch. Full Size.

SIZE.	1 1/2	1	1/2	DOZ.
PAIR.	.55	.40	.55	DOZ. PAIRS.

No. 810, WROUGHT IRON TABLE BUTTS

FAST

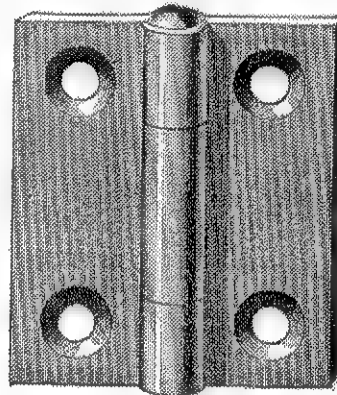


JOINT.

		Full Size Cut of 1 1/2 Inch.					
SIZE.	1 1/2	1 1/4	1 1/2	1 3/4	1 1/2	INCHES.	
LIST.	.50	.55	.60	.65	.65	DOZ. PAIRS.	

No. 800, Wrought Iron Narrow Butts.

FAST

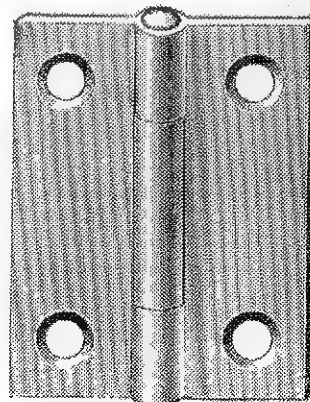


JOINT.

		Full Size Cut of 3 Inch.											
SIZE.	1	1 1/2	1 1/4	1 1/2	2	2 1/4	2 1/2	2 3/4	3	3 1/2	INCHES.		
LIST.	.32	.36	.43	.50	.60	.66	.72	.84	.90	1.44	DOZ. PAIRS.		

No. 838, Wrought Iron Light Narrow Butts

FAST



JOINT.

		Full Size Cut of 2 1/2 Inch.							
SIZE.	1	1 1/2	1 1/4	1 1/2	2	2 1/4	INCHES.		
LIST.	.72	.80	1	1.10	1.30	1.40	DOZ. PAIRS.		

NO. 840, WROUGHT IRON LIGHT
NARROW BUTTS.



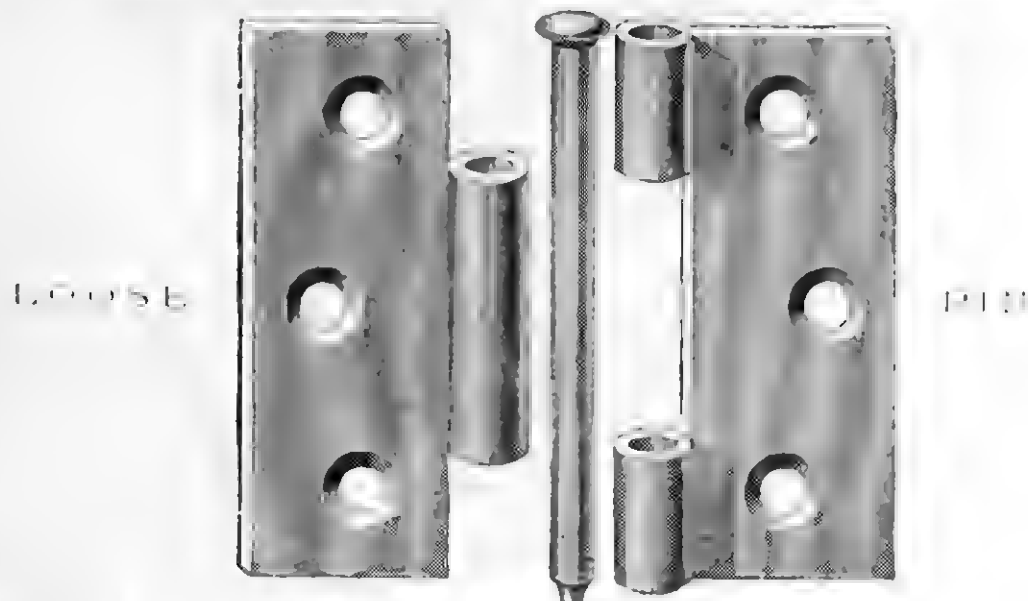
REVERSIBLE

2 inches

, 75

1897. 1898.

No. 804. Wrought Iron Reversible Butts.



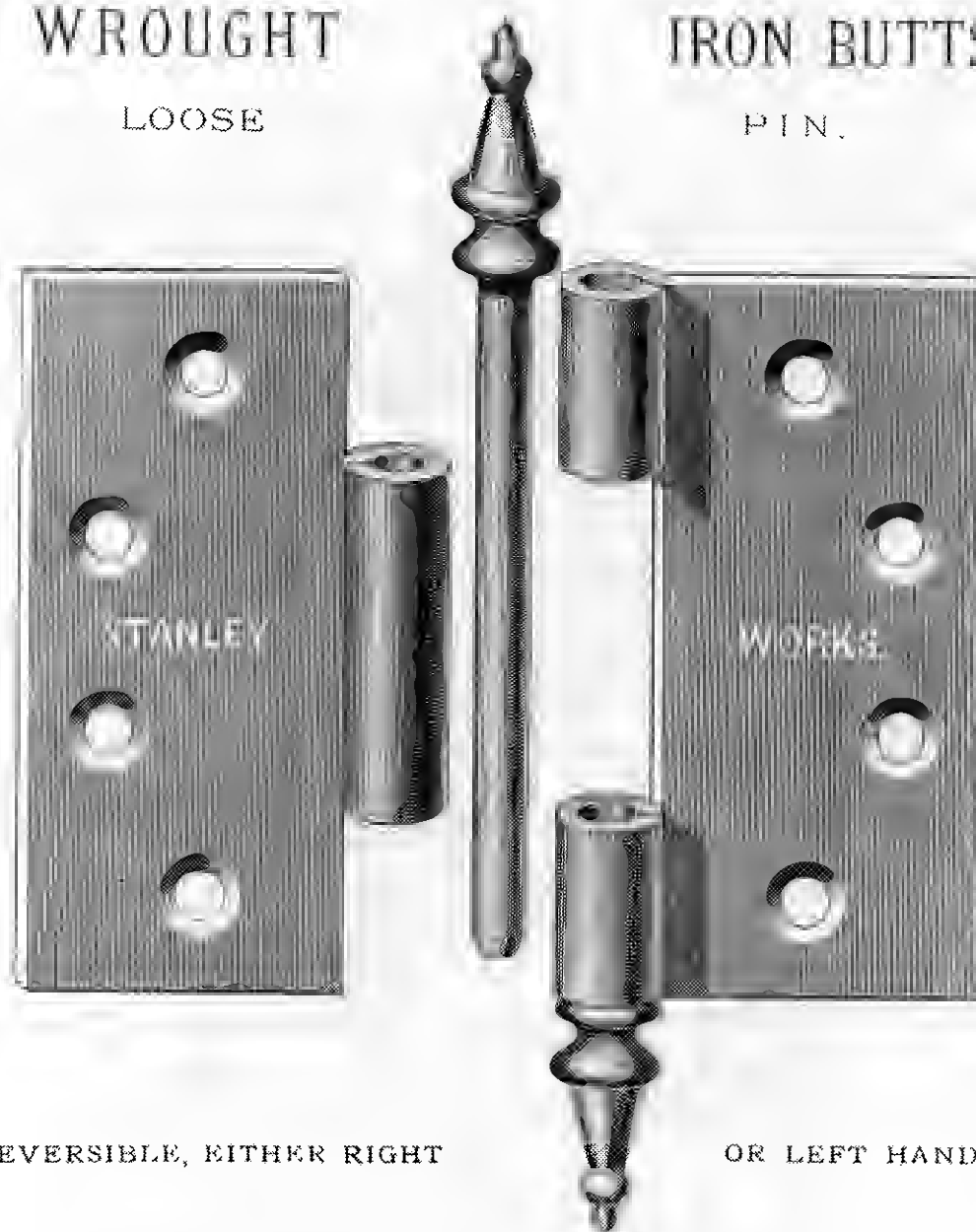
Time (min)	$\frac{d[\text{A}]}{dt} \times 10^3$	$\frac{d[\text{B}]}{dt} \times 10^3$	$\frac{d[\text{C}]}{dt} \times 10^3$	$\frac{d[\text{D}]}{dt} \times 10^3$	$\frac{d[\text{E}]}{dt} \times 10^3$	$\frac{d[\text{F}]}{dt} \times 10^3$	Notes
0	0	0	0	0	0	0	DOZ. PAIRS
10	0.01	0.02	0.01	0.01	0.01	0.01	
20	0.02	0.04	0.02	0.02	0.02	0.02	
30	0.03	0.06	0.03	0.03	0.03	0.03	
40	0.04	0.08	0.04	0.04	0.04	0.04	
50	0.05	0.10	0.05	0.05	0.05	0.05	
60	0.06	0.12	0.06	0.06	0.06	0.06	
70	0.07	0.14	0.07	0.07	0.07	0.07	
80	0.08	0.16	0.08	0.08	0.08	0.08	
90	0.09	0.18	0.09	0.09	0.09	0.09	
100	0.10	0.20	0.10	0.10	0.10	0.10	

WROUGHT

LOOSE

IRON BUTTS.

PIN.



REVERSIBLE, EITHER RIGHT

OR LEFT HAND.

No 822, NOT JAPANNED.

100	100	3 x 3 1/2	4 x 4	4 x 4	1/2 INCHES
100	100	1 10	1 25	1 10	DOZ. PAIRS.

No 730, JAPANNED BUTTS, JAPANNED ACORNS.

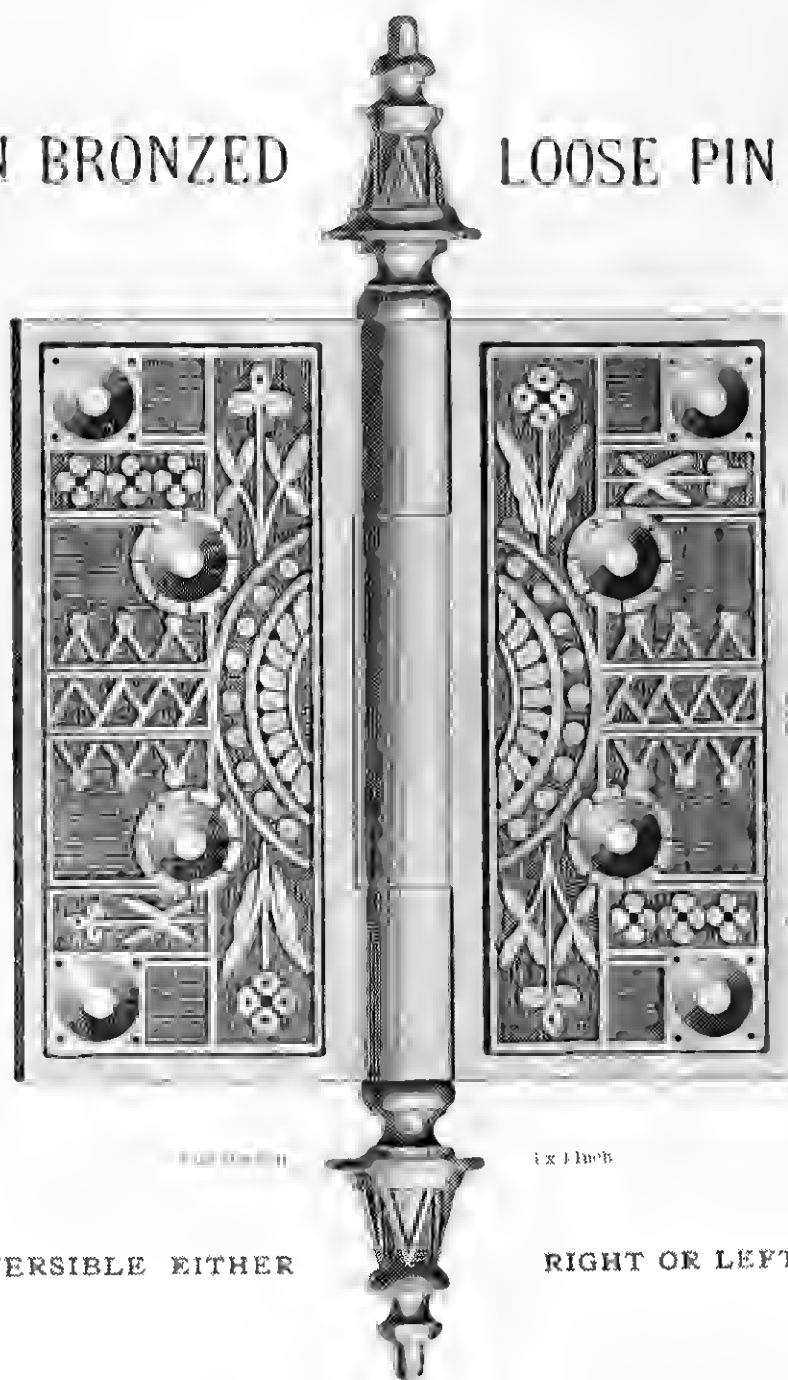
100	100	3 x 3 1/2	4 x 4	4 x 4	1/2 INCHES
100	100	1 00	1 00	1 00	DOZ. PAIRS.

No. 726, JAPANNED BUTTS, NICKEL PLATED ACORNS

100	100	3 x 3 1/2	4 x 4	4 x 4	1/2 INCHES
100	100	1 00	1 00	1 00	DOZ. PAIRS.

BERLIN BRONZED

LOOSE PIN BUTTS.



1 x 1 1/2 in.

1 x 1 1/2 in.

REVERSIBLE EITHER

RIGHT OR LEFT HAND.

No. 486, BERLIN BRONZED.

1000

81 in

4 1/2 x 12

2 55

A&C

J. E. C.

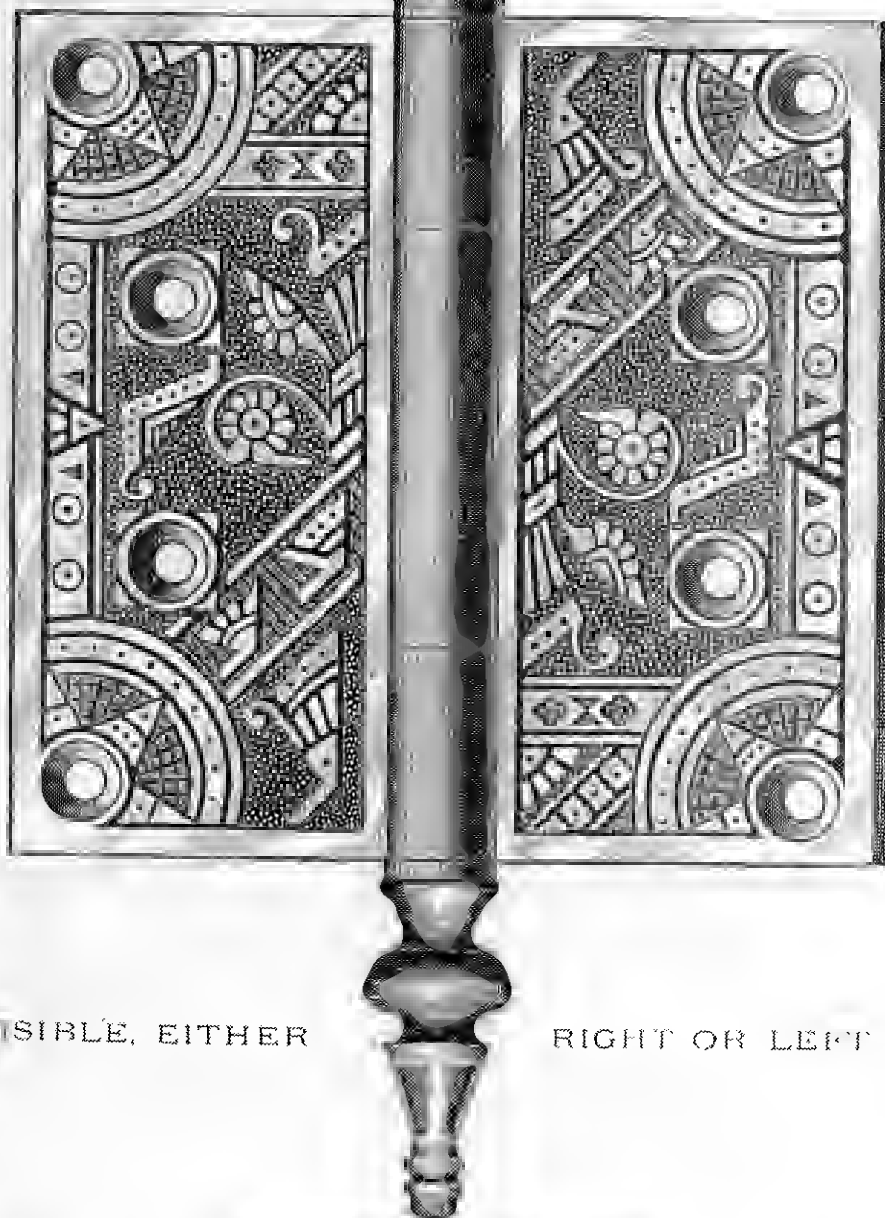
1000

1000

The End of a Good World.

BRONZED IRON

LOOSE PIN BUTTS.



RESPONSIBLE, EITHER

RIGHT OR LEFT HAND.

Go to [this link](#) to download the file.

[illegible]

Figure 1

Country	% of respondents
USA	85%
Canada	75%
Mexico	65%
Brazil	55%
Argentina	45%

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

are 0.8 and 0.9, respectively. From eqs. (14) and (15) it is evident that the maximum value of α is 0.9 and the minimum value of α is 0.8.

BRONZE METAL LOOSE PIN BUTTS.

STEEL

BUSHED.



REVERSIBLE, EITHER

RIGHT OR LEFT HAND.

No. 30 Bronze Metal, No 3 Finish

	3, x 3 $\frac{1}{2}$	4 x 4	4 $\frac{1}{2}$ x 4 $\frac{1}{2}$	5 x 5	5 $\frac{1}{2}$ x 5 $\frac{1}{2}$	6 x 6	7 x 7	INCHES
PRICE	\$1.10	\$1.40	\$1.80	\$2.20	\$2.60	\$3.00	\$3.50	PER PAIR

ONE PAIR IN A BOX WITH SCREW

BRONZE METAL LOOSE JOINT BUTTS.

STEEL

BUSHED.



NOT REVERSIBLE.

NOT REVERSIBLE.

No. 20 Bronze Metal, No. 3 Finish

2 1/2 x 3 1/4	4 x 4	4 1/2 x 4 1/2	5 x 5	5 1/2 x 5 1/2	6 x 6	INCHES
1 10	1 10	6 57	7 20	8 75	9 75	PER PAIR.

NOT REVERSIBLE. IN ORDERING STATE IF YOU WANT RIGHT OR LEFT HAND

ONE PAIR IN A BOX WITH 1/8

BUTTE, SORE & CO., LIMITED

BRONZE METAL

LOOSE JOINT BUTTS

STEEL

BUSHED



NOT REVERSIBLE.

NOT REVERSIBLE.

See also Standard Metal, No. 3 Finish.

100	4 00	4 00	0 00	0 00	0 00	0 00	0 00	0 00
100	4 20	4 20	\$6 00	\$6 50	\$7 00	\$20 00	\$4 00	PER 1000

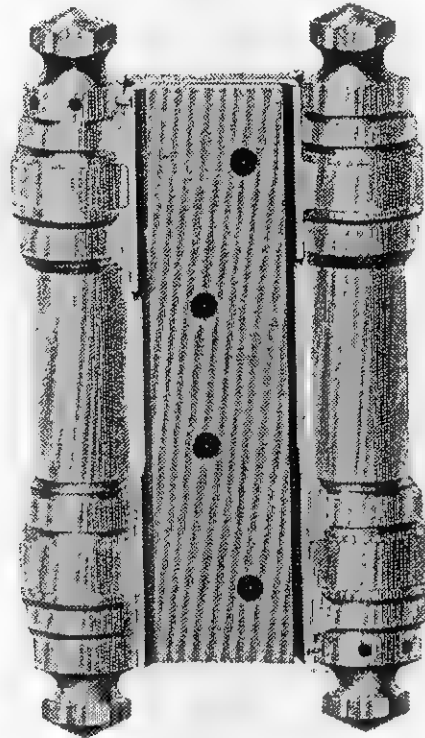
NOT REVERSIBLE. IN ORDERING STATE IF YOU WANT RIGHT OR LEFT HAND

SEE ALSO THE STANDARD METAL

THESE BUTTS ARE DESIGNED WITH THE TOP OF THE BUTT JOINT TO BE AT THE TOP

GEM SPRING HINGES.

REVERSIBLE, FOR EITHER RIGHT OR LEFT HAND.



SINGLE ACTING.

LENGTH OF FLANGES	FOR DOORS	JAPANNED.		BRONZE METAL, No. 1 Finish		POLISHED BRASS.	
		NO.	PER PAIR	NO.	PER PAIR	NO.	PER PAIR
3½ inches	1 to 1½ inch	63	\$.80	363	\$4.00	763	\$4.00
4 inches	1 to 1½ inch	64	1.00	364	5.00	764	5.00
5 inches	1 to 1½ inch	65	1.25	365	6.00	765	6.00
6 inches	1 to 1½ inch	66	1.75	366	7.00	766	7.00
7 inches	1½ to 1¾ inch	67	2.25	367	9.00	767	9.00

DOUBLE ACTING.

LENGTH OF FLANGES	FOR DOORS	JAPANNED.		BRONZE METAL, No. 1 Finish		POLISHED BRASS.	
		NO.	PER PAIR	NO.	PER PAIR	NO.	PER PAIR
3½ inches	1 to 1½ inch	83	\$1.00	383	\$7.50	783	\$7.50
4 inches	1 to 1½ inch	84	2.00	384	9.50	784	9.50
5 inches	1 to 1½ inch	85	2.50	385	11.50	785	11.50
6 inches	1 to 1½ inch	86	3.50	386	13.50	786	13.50
7 inches	1½ to 1¾ inch	87	4.50	387	17.00	787	17.50

Bronze Metal and Brass Hinges are packed with Screws.

151A

BUTL -075- & CO. MANUFACTURERS

STANDARD DOUBLE ACTING SPRING HINGES.



Fig. 1. 0.5-1.12

BLACK JAPANNED, TINNED STEEL SPRINGS.

Length	Width	Weight	Price per pair
5	1	1 lb. 1 oz.	7 00
9	2	11 lb. 12 oz.	12 00
13	3	11 lb. 12 oz.	24 00

PACKED:

- 4 pairs in a paper box, 4 dozen pairs in a case
- 2 pairs in a paper box, 2 dozen pairs in a case
- 1 pair in a paper box, 1 dozen pairs in a case

AMERICAN SPRING HINGES.



SINGLE ACTING.

PIPE SIZE AND WEIGHT	PIPE LENGTH	JAPANESE	BRUNNEN & CO. (NEW YORK)	UNITED STATES
12 inch	12 ft. 6 in.	100	100	100
10 inch	10 ft. 6 in.	100	100	100
8 inch	8 ft. 6 in.	100	100	100
6 inch	6 ft. 6 in.	100	100	100
4 inch	4 ft. 6 in.	100	100	100
3 inch	3 ft. 6 in.	100	100	100
2 inch	2 ft. 6 in.	100	100	100
1 1/2 inch	1 ft. 6 in.	100	100	100
1 inch	1 ft. 6 in.	100	100	100
3/4 inch	1 ft. 6 in.	100	100	100
1/2 inch	1 ft. 6 in.	100	100	100
3/8 inch	1 ft. 6 in.	100	100	100
1/4 inch	1 ft. 6 in.	100	100	100

DOUBLE ACTING

[illegible]

167

W. H. BOWS & CO., DETROIT

SPRING HINGES.



No. 4

No. 5, Champion

BLACK JAPANNED, COPPERED STEEL SPRINGS

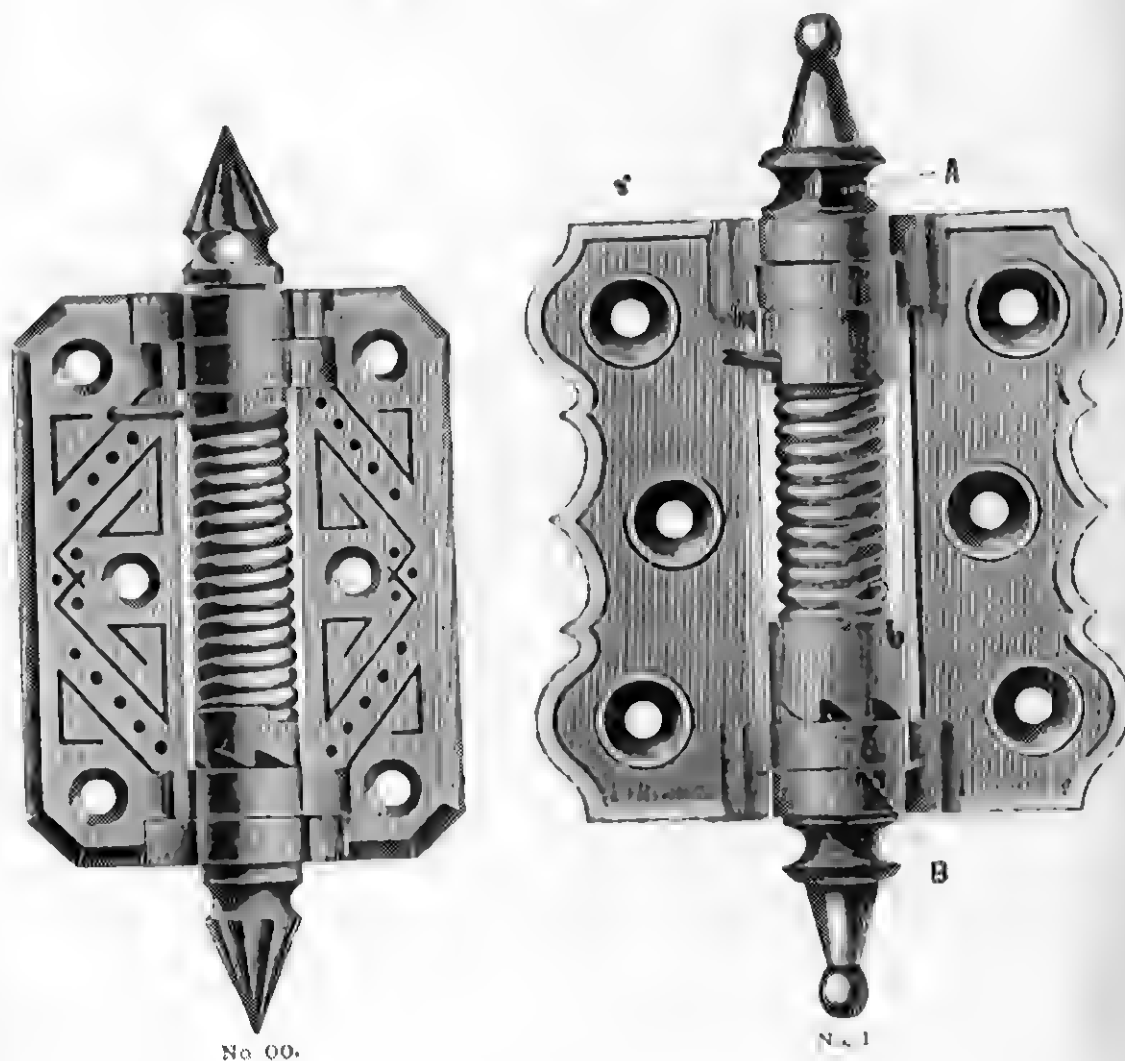
100 100 100 100 100 100 100 100 100 100

The Champion is the latest and best of the Japanese "Champion" Hinges. It holds the door open in position, without any other device, and is a very durable article.

The No. 4 Hinges have long, elastic and powerful springs which are more durable and better than the adjustable springs, as it very often happens that inexperienced hands destroy the elasticity of the latter by applying too great a tension.

These hinges are made of steel and are sold in a paper box and two dozen in a wooden case.

SPRING HINGES.



BERLIN BRONZED, COPPERED STEEL SPRINGS

No. 00. 3 x 2½ inches.....

BERLIN BRONZED, TINNED STEEL SPRINGS:

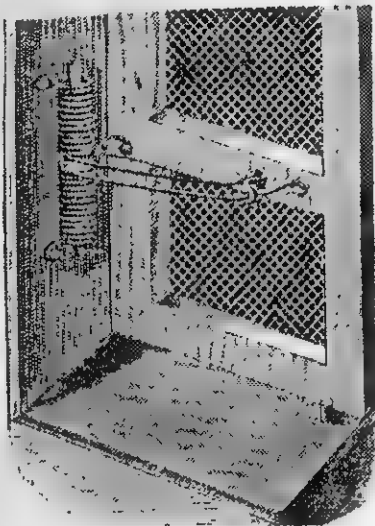
No. 1. 3 x 3 inches.....

DOZEN PAIR

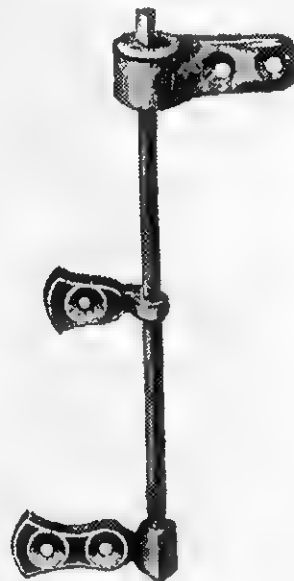
\$2.75

ONE HALF DOZEN PAIR IN A BOX

DOOR SPRINGS.



SCHRODER.



TORREY.

SCHRODER DOOR SPRINGS.

	PER DOZ.
Schrodor Door Springs, Coppered.	\$2 00

TORREY'S WIRE DOOR SPRINGS.

	PER DOZ.
Torrey's, Japanned.	\$2 00

STANDARD DOOR SPRINGS.

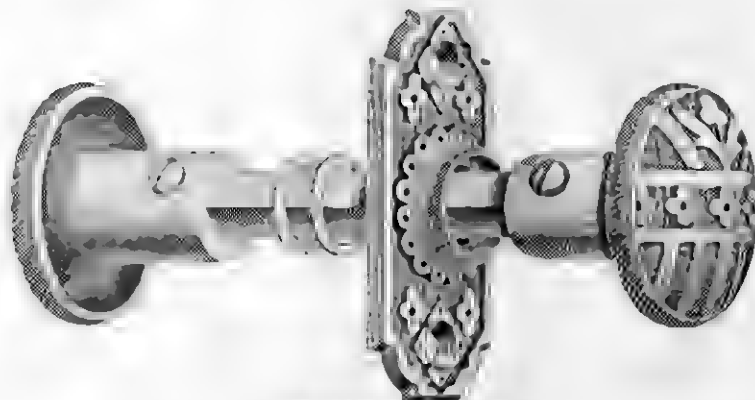
CASTINGS, BERLIN BRONZE; SPRINGS, COPPERED WIRE.

NO.	LENGTH	PER DOZ.
10.	8 inches.	\$1 25
9.	9 inches.	1 75
8.	10 inches.	2 50
6.	12 inches.	3 50

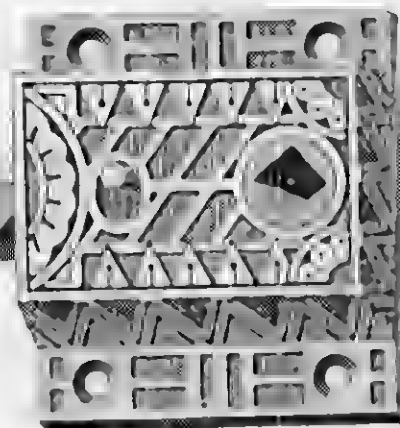
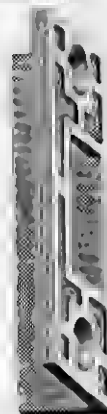


No. 6 to 10, Standard

SCREEN DOOR CATCHES.



See Sample of Screen Door

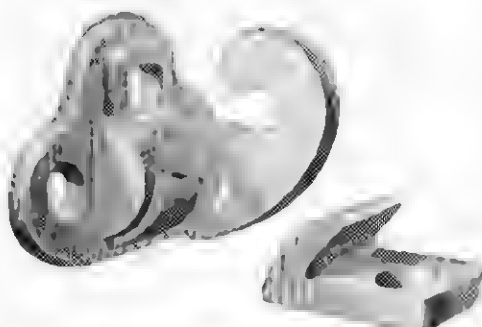


See Sample of Screen Door Catch
 1. 1/2 inch Round, with Side Stop (1)
 2. 1/2 inch Round, with Side Stop (2)
 3. 1/2 inch Round, with Side Stop (3)
 4. 1/2 inch Round, with Side Stop (4)
 5. 1/2 inch Round, with Side Stop (5)
 6. 1/2 inch Round, with Side Stop (6)
 7. 1/2 inch Round, with Side Stop (7)
 8. 1/2 inch Round, with Side Stop (8)
 9. 1/2 inch Round, with Side Stop (9)
 10. 1/2 inch Round, with Side Stop (10)

BLIND STAPLES.

Barbed, 3-8 inch long
 1. 1/2 inch Round, with Side Stop (1)
 2. 1/2 inch Round, with Side Stop (2)
 3. 1/2 inch Round, with Side Stop (3)
 4. 1/2 inch Round, with Side Stop (4)
 5. 1/2 inch Round, with Side Stop (5)
 6. 1/2 inch Round, with Side Stop (6)
 7. 1/2 inch Round, with Side Stop (7)
 8. 1/2 inch Round, with Side Stop (8)
 9. 1/2 inch Round, with Side Stop (9)
 10. 1/2 inch Round, with Side Stop (10)

GRAVITY LOCKING BLIND HINGES.



Through the Hinges and Iron Castings
 1. 1/2 inch Round, with Side Stop (1)
 2. 1/2 inch Round, with Side Stop (2)
 3. 1/2 inch Round, with Side Stop (3)
 4. 1/2 inch Round, with Side Stop (4)
 5. 1/2 inch Round, with Side Stop (5)
 6. 1/2 inch Round, with Side Stop (6)
 7. 1/2 inch Round, with Side Stop (7)
 8. 1/2 inch Round, with Side Stop (8)
 9. 1/2 inch Round, with Side Stop (9)
 10. 1/2 inch Round, with Side Stop (10)

Please paste this in our [Email Comments](#) or use in your next blog.

LINA

IDES' PATENT
BARN DOOR STAY ROLLERS



Dear Sirs: Dear Sirs: Dear Sirs:

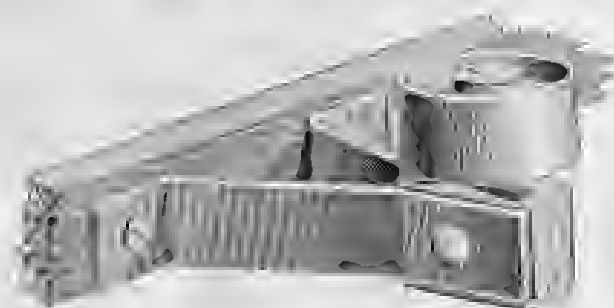
514

¹ *U.S. v. Smith*, 100 F.3d 1155, 1160 (9th Cir. 1997).

THOMAS, SONG & LOO: DEBT:GDP

WBA

CRONK'S WROUGHT IRON
ADJUSTABLE BARN DOOR STAY
ROLLERS.

Cynthia¹ Have Open Sun Brothers.

1283 1283
83.00



END OF THE LINE

1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579

74

BARN DOOR STAY ROLLERS.



Screw Barn Door Stay Rollers.	PER 100.
Drive Barn Door Stay Rollers.	2 15
Adjustable Barn Door Stay Rollers.	2 50

BARN DOOR RAIL.



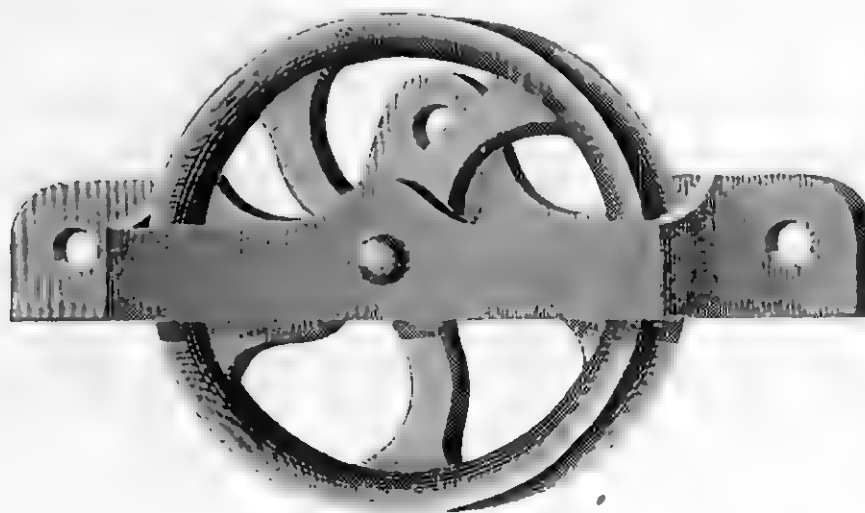
HALF-ROUND.



CHECK BACK

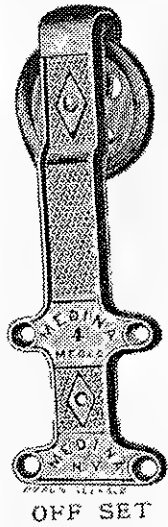
Half Round Barn Door Rail.	PER 1000.
Check Back ; or, L Barn Door Rail.	06
Bullard Wrought Barn Door Rail, in 4 feet lengths	08
	09

BARN DOOR ROLLERS.



ROUND GROOVE WHEEL.

125	6 inch Wheel, Japanese	PER 100.
126	8 inch Wheel, Japanese	8 50
		1 00

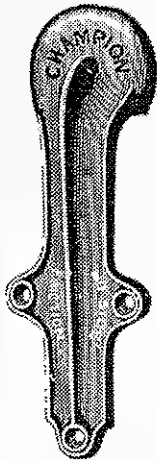


OFF SET

OFF SET BARN DOOR HANGERS.

JAPANNED.

NO.	33	41	55	66	
WHEEL.	3	4	5	6	INCHES
LIST.	\$9 00	12 00	15 00	18 00	DOZ. PAIRS.



CHAMPION

CHAMPION BARN DOOR HANGERS.

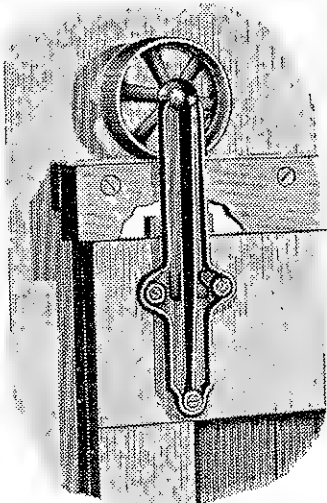
WITH ANTI-FRICTION ROLLERS.

NO SIDE FRICTION.

NO.	2	3	
WHEEL.	4	5	INCHES.
LIST.	\$15 00	18 00	DOZ. PAIRS.

U. S. BARN DOOR HANGERS.

FOR WOOD TRACKS.



U S

NO.	4	5	
WHEEL.	4	5	INCHES.
LIST.	\$12 00	15 00	DOZ. PAIRS.

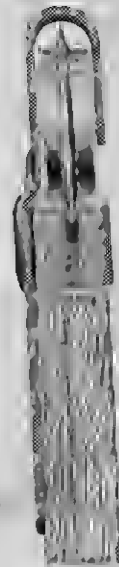
To make a track for the U. S. Hangers, use two strips, one 1 1/2 inch thick and 2 inches wide; the other 1/2 inch thick and 3 inches wide. Fasten together, with the narrow strip next to the building, leaving upper edge even and smooth for the wheels to run on.

For a guide, allow a piece to extend upward from the door about 1 inch high and 3 inches wide, back of each Hanger. This will keep the door from running off.

EACH DOZEN PAIRS IN A CASE

170A

THE UNIVERSITY OF CHICAGO



THE "HAMILTON"
PATENT
WROUGHT IRON
BARN DOOR HANGERS.

WIRELESS

11

1-11-1950

For a full discussion of the Panel's work, see the White House Press Release, "The President's Council on Economic Advisors Releases the Annual Report on the U.S. Economy," 1/29/03.

[illegible][illegible]

CHAMPION.

100

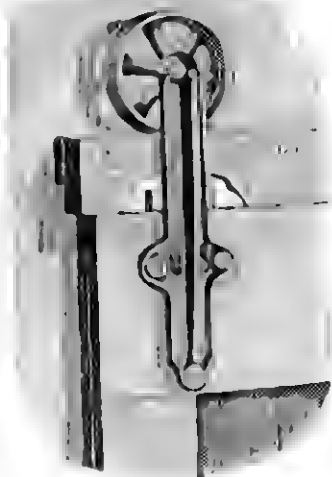
100

INCORP.™

100 118

U. S. BARN DOOR HANGERS.

FOR WOOD TRACKS



NO.

••

10% PAIRS.

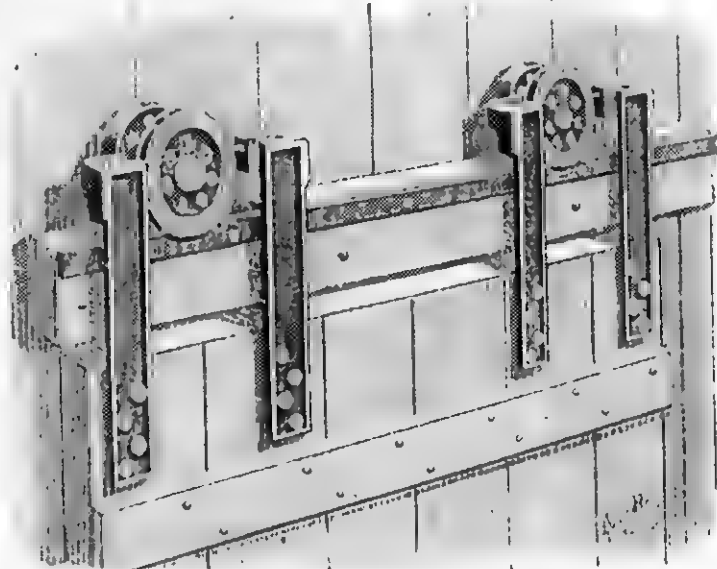
... together, with the ... next to the building, leaving approx. ... and smooth for the wheels to run on.

For a guide, allow a piece to extend upward from the door about 1 inch high and 3 inch wide, back of each Hanger. This will keep the door from keeping off

1336-15 1958

BULLARD BARN DOOR HANGER.

ANTI-FRICTION



Bullard

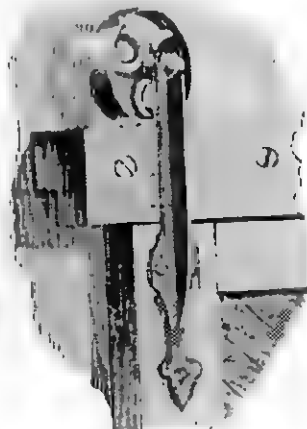
Bullard. One Pair consists of Two Wheels, Four Hangers, Two Half-inch Round Steel Bars 12 inches long DOZEN PAIRS \$18 00

The "Bullard" is absolutely *Anti-Friction*. It is made with two Wheels joined together by a *Steel Axle*, from which the Door is suspended by a Horizontal *Rider Bar* which is made of *Round Steel*. The friction consequent to any obstruction or unevenness of the Rail is wholly overcome.

The "Bullard" is made wholly of Iron and Steel (no Wood to warp and split) and is used with a wrought Rail. We claim it to be the *best* and only positive *Anti-Friction* Hanger in the market.

For Rail to be used with this Hanger see Page 169.

KIDDER BARN DOOR HANGERS.



Kidder

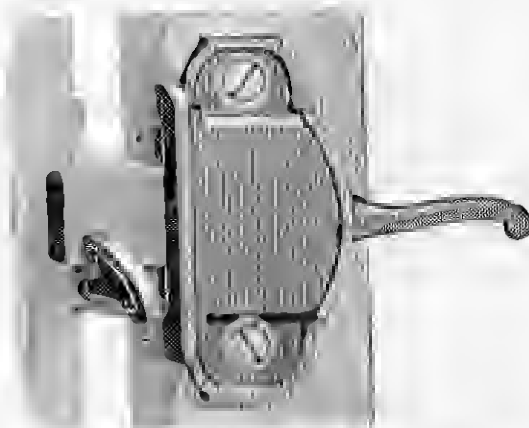
FOR WOOD TRACK.

WIDTH 4
THICK 1 1/2

ONE DOZEN PAIR IN A BOX

DOZEN PAIRS
DOZEN PAIRS.

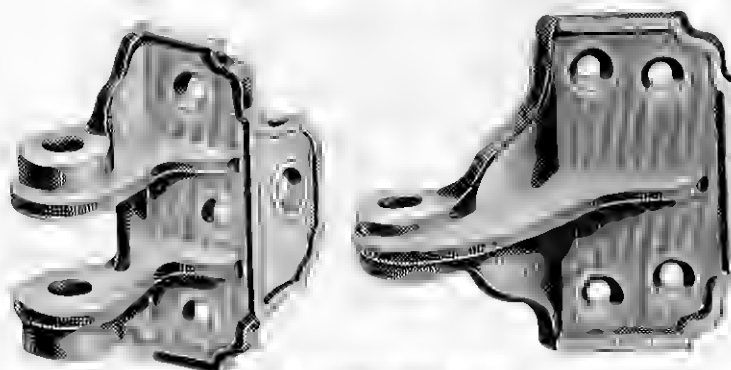
SELF-CLOSING REVERSIBLE
GATE HINGE AND LATCH.
TO SWING ONE WAY.



No. 1 Gate Latch



No. 2 Upper Gate Hinge



No. 3 Lower Gate Hinge

PER DOZEN SETS.

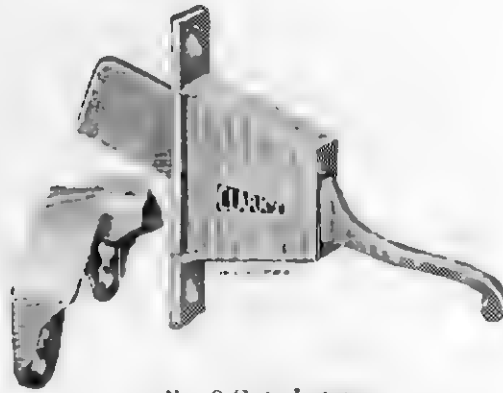
\$1.00

Gate Hinges, with Latches

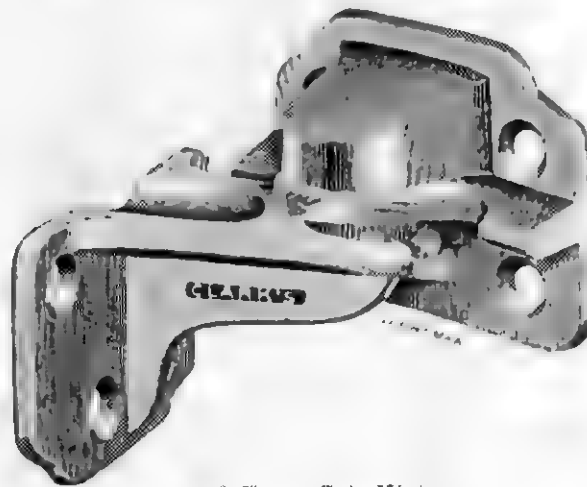
This Hinge requires no Mortise and is easily Attached, and will reverse for either
Right Hand or Left Hand Gate.

ONE SET IN A PAPER BOX, AND IN CASES OF TWO DOZEN SETS

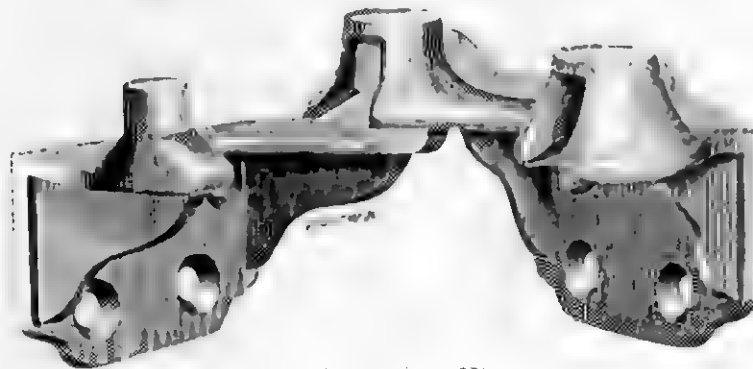
GATE HINGE AND LATCH. TO SWING BOTH WAYS.



No. 2 Gate Latch.



No. 2 Upper Gate Hinge.



No. 2 Lower Gate Hinge.

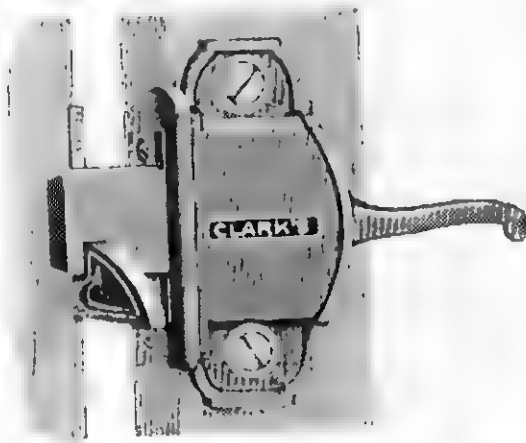
Gate Hinges, with Latches

PER DOZEN SET
\$8.00

This Gate Hinge requires no Mortising and will Swing Either Way.

ONE SET IN A PAPER BOX AND IN CASES OF TWO DOZEN SETS

GATE LATCHES.

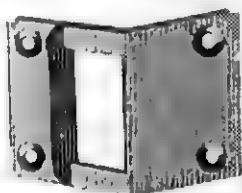


No. 1.

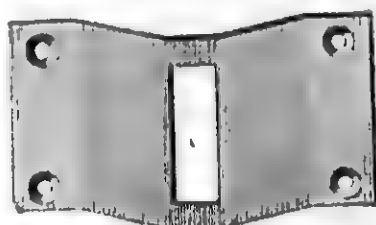


No. 2.

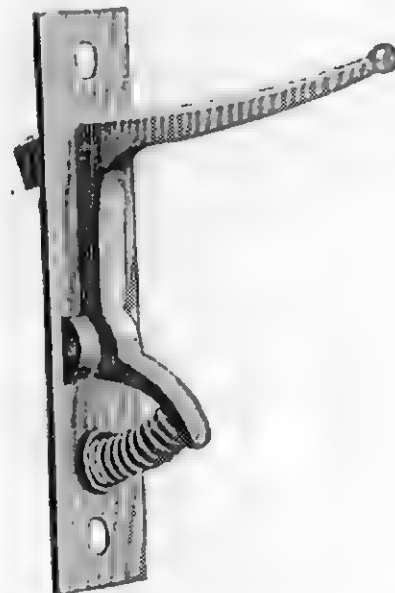
No.		PER 100	No.		Price
1.	For Gates to Swing One Way.....	\$2.00	2.	For Gates to Swing Both Ways.....	\$2.00



Striker for Latch No. 100, to Swing One Way.

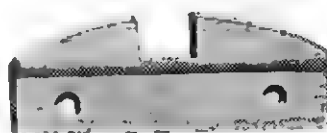


Striker for Latch No. 300, to Swing Both Ways.

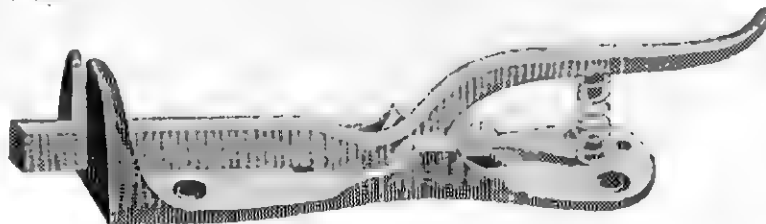


Nos. 100 and 300 Latch.

100.	For Gates to Swing One Way.....	\$1.00
300.	For Gates to Swing Both Ways.....	\$1.00



Top Gate Latch



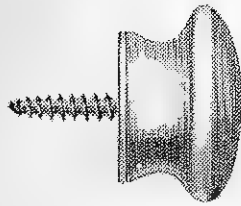
Latch of No. 14 Half Size Co.

14 Top Gate Latch Japanese

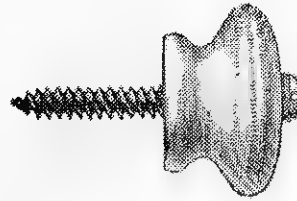
Price

\$1.00

No. 1 PORCELAIN SHUTTER KNOBS.



Full Size Cut of No. 1, One Inch.



Full Size Cut of No. 13, One Inch.

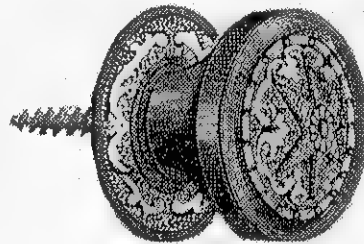
No. 1, FAST SCREW.

SIZE.	1	1 1/4	1 1/2	1 3/4	INCH.
LIST.	\$3.90	4.40	4.75	5.20	GROSS.

No. 13, LOOSE SCREW, TINNED.

SIZE.	1	1 1/4	1 1/2	INCH.
LIST.	\$3.50	3.75	4.25	GROSS.

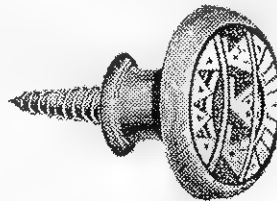
SEAL BROWN HEMACITE SHUTTER KNOBS.



Nos. 147 and 149.

NO.	PER GROSS.	NO.	PER GROSS.
147. 1 inch.	\$7.75	149. 1 1/4 inch.	\$7.75

BRONZED IRON SHUTTER KNOBS.



Nos. 2100 to 5100.

NO.	PER DOZ.
5100. 1 inch, Berlin Bronzed.	.43
5100. 1 1/4 inch, Bronzed Iron, No. 10 Finish.	.55

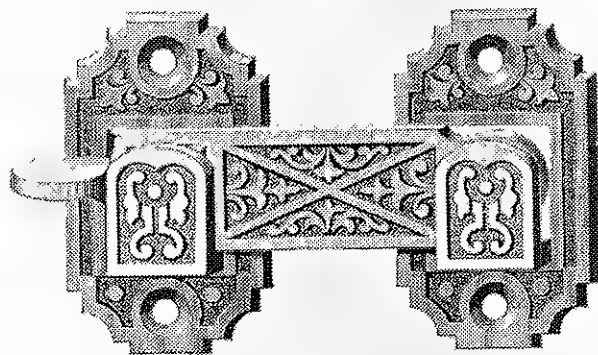
No. 10 Finish is Bronzed Iron with Dark Background and Polished Bronze Surface.

BRONZE METAL SHUTTER KNOBS.

(See Cut above)

NO.	PER DOZ.
2100. 1 inch, Bronze Metal, No. 5 Finish.	\$2.10

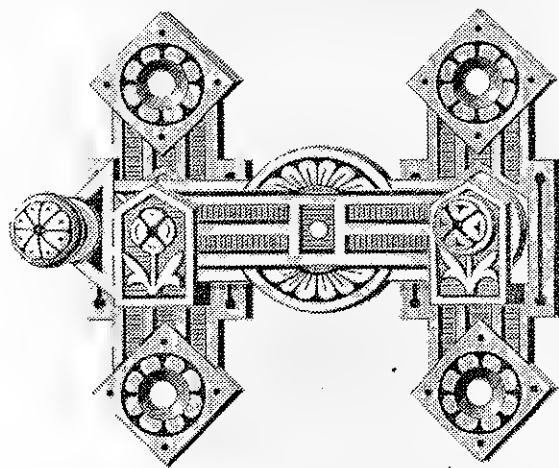
SHUTTER BARS.



Full Size Cut of No. 135 3 1/2 inch

No.			
135.	2 inch, Berlin Bronzed		\$1.25
135.	2 1/2 inch, Berlin Bronzed		1.50

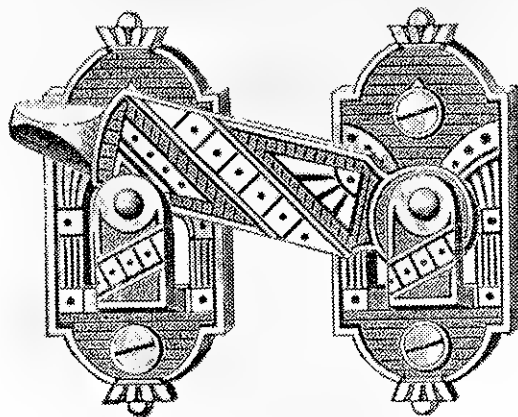
THREE DOZEN IN A BOX, WITH SCREWS.



Full Size Cut of No. 165 2 1/2 inch

No.			
165.	2 inch, Berlin Bronzed		\$1.85
165.	2 1/2 inch, Berlin Bronzed		2.00

THREE DOZEN IN A BOX, WITH SCREWS.

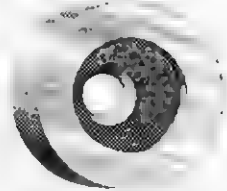


No. 196 and 197

No.			
196.	2 inch, Bronzed Iron, No. 10 Finish, with Screws		\$1.50
196.	2 1/2 inch, Bronzed Iron, No. 10 Finish, with Screws		1.75
197.	2 inch, Bronze Metal, No. 3 Finish, with Screws		2.25
197.	2 1/2 inch, Bronze Metal, No. 3 Finish, with Screws		2.50

No. 10 Finish is Bronzed Iron, with a Dark Background, Polished Bronze Surface.

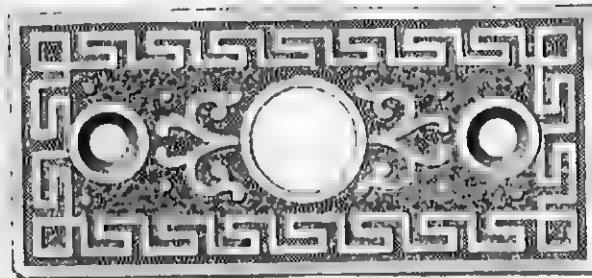
SASH PULL PLATES.



Full Size Cut of No. 20

200 Tuscan Bronzed, with Screws

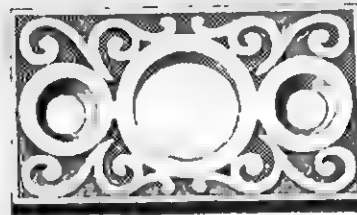
PER DOZ.
.50



Full Size Cut of No. 41

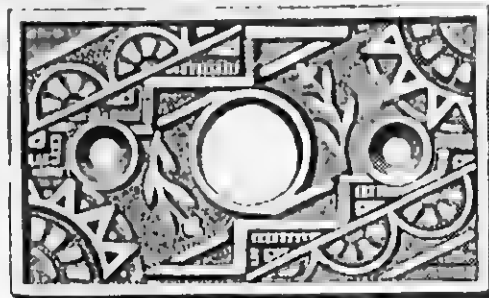
411 Berlin Bronzed, with Screws

PER DOZ.
75



No.
906 Bronzed Iron, No. 10 Finish, with Screws.
910 BRONZE METAL, No. 3 Finish, with Screws

PER DOZ.
\$.80
50



911 Bronzed Iron, No. 10 Finish, with Screws.
915 BRONZE METAL, No. 3 Finish, with Screws.

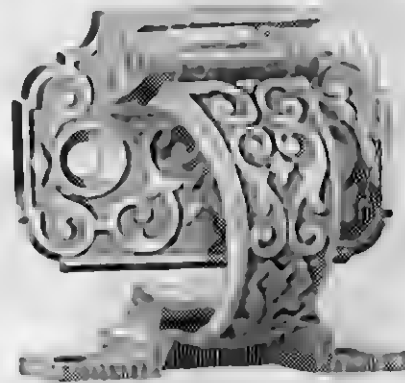
PER DOZ.
\$1.00

No. 10 Finish is a Bronzed Iron, with a Dark Background and Polished Bronze Surface.

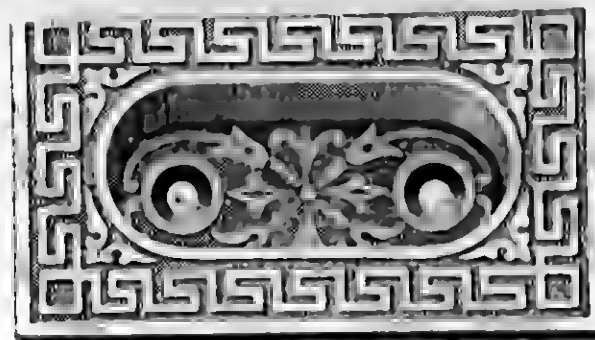
115A

115A

SASH LOCKS AND LIFTS.



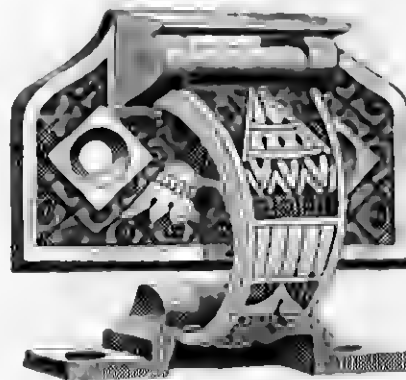
Berlin Bronze
Bronze Metal, No. 3 Finish



Berlin Bronze

PER DOZ.
\$1 10

THIS LOCK IS A SET WITH SCREWS

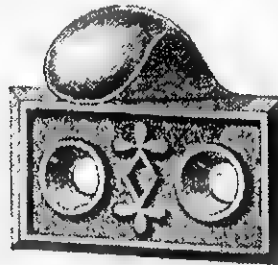


Bronzed Iron, No. 10 Finish
Bronze Metal, No. 3 Finish

PER DOZ.
2 00
6 50

No. 10 Finish is a Bronzed Iron, set with Brass Locking Pins and Polished Iron Screws.

SASH LIFTS.



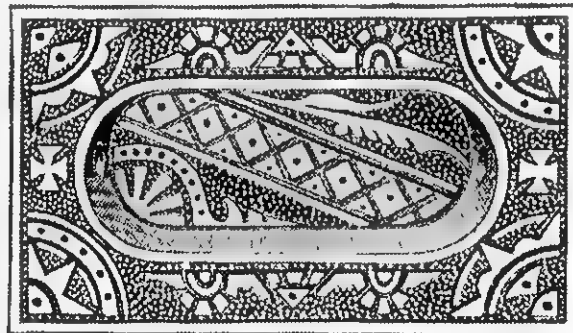
Nos. 913 and 5913.

No.		PER DOZ.
5913.	Bronzed Iron, No. 10 Finish, with Screws.....	\$1 00
913.	Bronze Metal, No. 3 Finish, with Screws.....	1 75



No. 915.

No.		PER DOZ.
915.	Bronze Metal, No. 3 Finish, with Screws.....	\$3 50



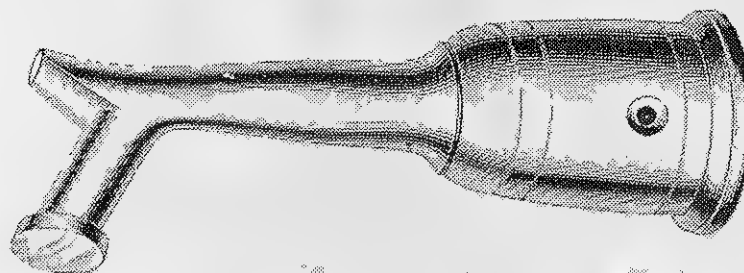
No. 2926 and 5926.

No.		PER DOZ.
5926.	2½ x 1½ inch, Bronzed Iron, No. 10 Finish.....	\$1 50
2926.	3 x 1½ inch, BRONZE METAL, No. 3 Finish.....	7 25

No. 10 Finish is Bronzed Iron, with a Dark Background and Polished Bronze Surface.

ONE DOZEN IN A BOX WITH SCREWS.

SASH PULL HOOKS.



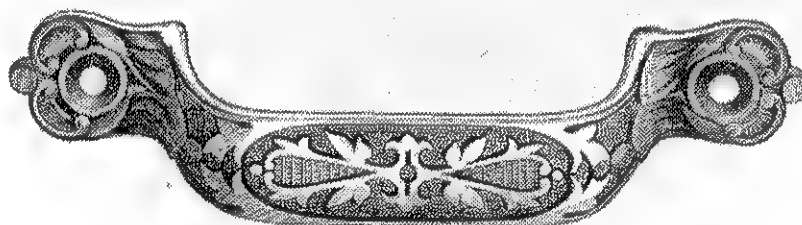
NO.
919. Bronze Metal.

PER DOZ.
\$11 00

Full Size Cut of Nos. 923, 924 and 925.

NO.		PER DOZ.
923.	Berlin Bronzed.....	\$1 50
924.	Bronzed Iron, No. 10 Finish.....	2 25
925.	Bronze Metal, No. 3 Finish.....	7 00

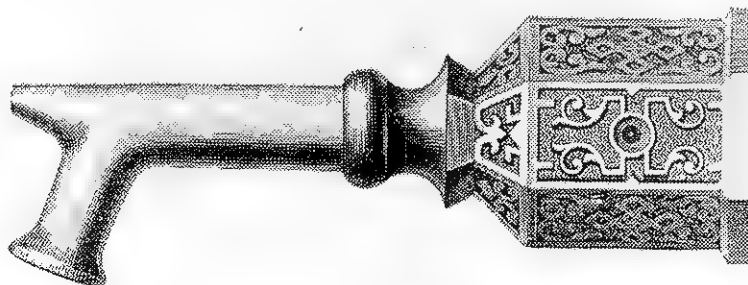
WINDOW PULLS.



Full Size Cut of No. 405

NO.		PER DOZ.
405.	Berlin Bronzed, with Screws.....	\$1 00

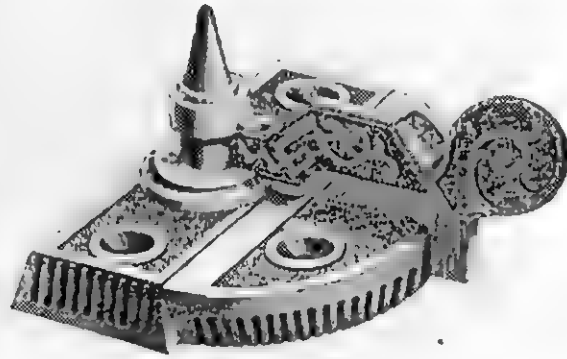
SASH PULL HOOKS.



Full Size Cut of No. 80

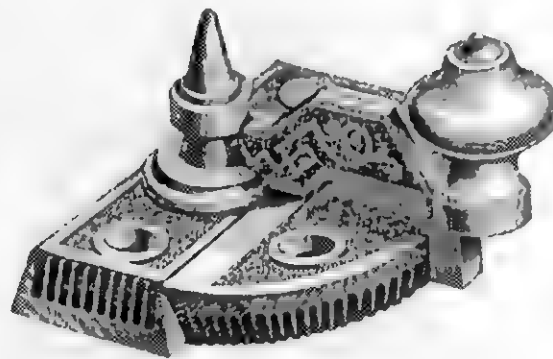
NO.		PER DOZ.
80.	Tinean Bronzed, with Screws.....	\$1 00

SASH FASTENERS.



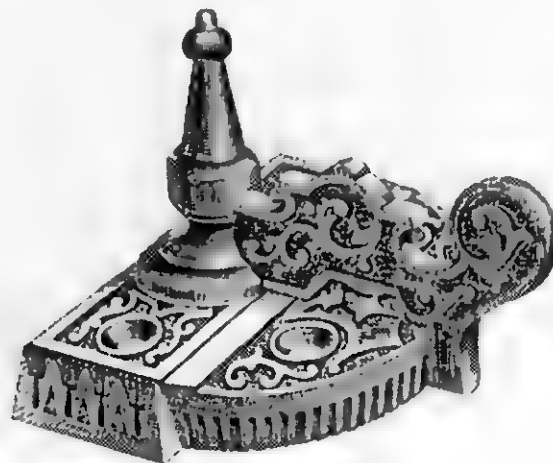
Full Size Cut No. 37

No. 37	Tuscan Bronzed	PRICE \$1.25
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Full Size Cut of No. 38.

No. 38	Tuscan Bronzed, Porcelain Knobs	PRICE \$1.50
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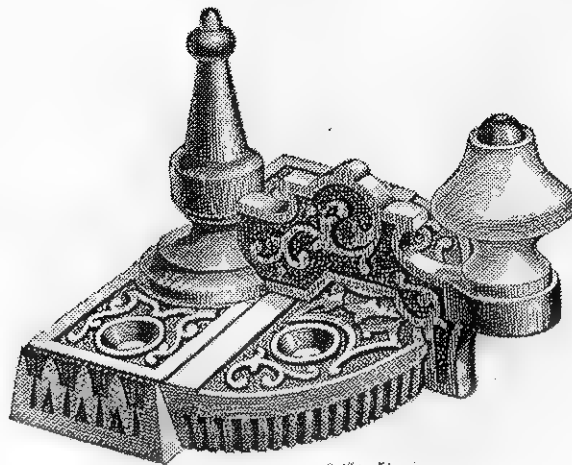


Full Size Cut of No. 39

No. 39	Tuscan Bronzed	PRICE \$1.40
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ONE DOZEN IN A BOX, WITH SCREWS.

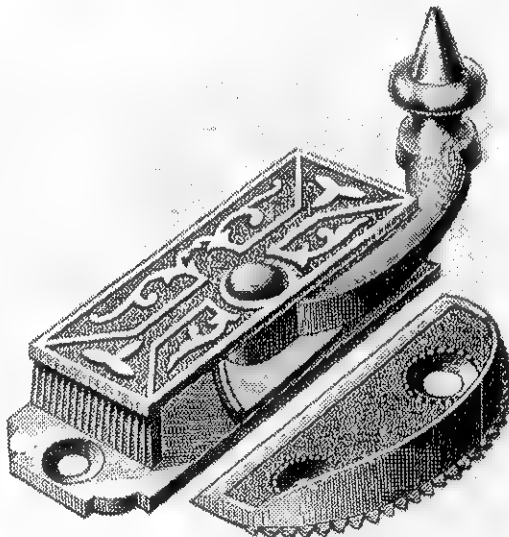
BUHL SONS & CO., DETROIT.
SASH FASTENERS.



Full Size Cut of No. 51.

PER DOZ.
\$2 00NO.
51.

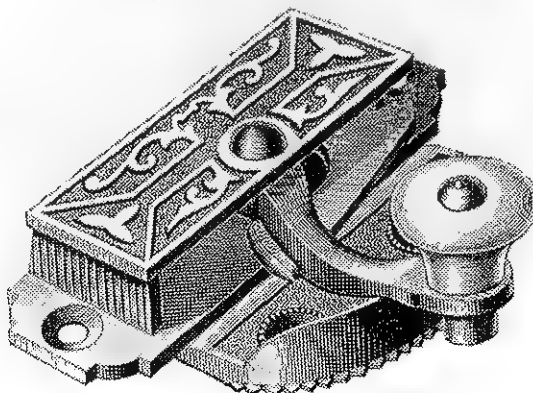
Tuscan Bronzed, Porcelain Knobs.



Full Size Cut of No. 520.

PER DOZ.
\$2 00NO.
520.

Berlin Bronzed, Burglar Proof.



Full Size Cut of No. 521.

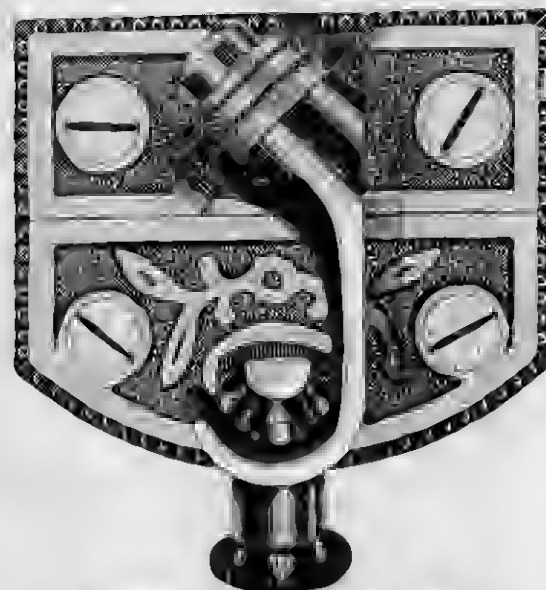
PER DOZ.
\$2 50NO.
521.

Berlin Bronzed, Porcelain Knob, Burglar Proof.

ONE DOZEN IN A BOX WITH SCREWS

WILL SOX & CO., DETROIT

SASH FASTENERS.



MIRGLAR PROOF.

PER DOZ.
\$2 00

No. 12. Payson "Perfect," Berlin Bronzed, Large Size. \$4 50

The No. 12 is adapted for Heavy Windows.



PER DOZ.
\$2 00

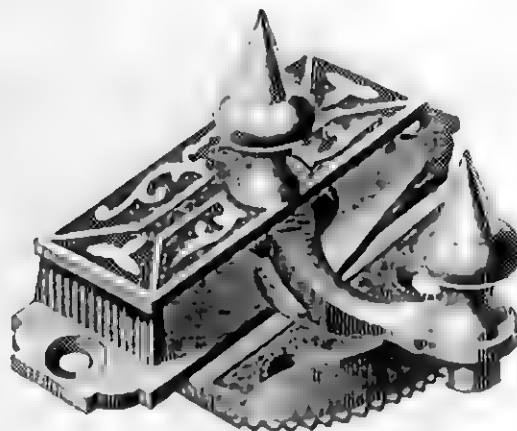
No. 13. Payson "Perfect," Bronze Metal, Extra Large, Heavy and Ornate. \$4 50

No. 14. Payson "Perfect," Polished Bronze Metal, Extra Large and Heavy. \$5 00

These fasteners are for sale by the manufacturer and by the dealer in the city and country. They are made of the best material and are of the most durable construction.

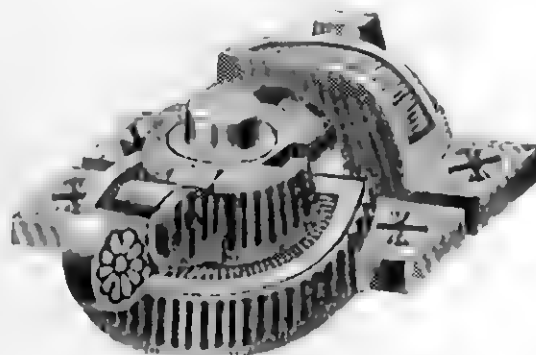
WILL SOX & CO.
DETROIT

SASH FASTENERS.



Full Size Cut of No. 22

No. 22.	Berlin Bronzed, Bronze Metal Knob and Rivet, "Burglar Proof,"	PER DOZ. \$4 25
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No. 62 and 54.

No.		PER DOZ.
60.	Kempshall's, Japanned	\$ 1 75
64.	Kempshall's, Coppered Iron	3 00
62.	Kempshall's, Berlin Bronzed	4 50
54.	Kempshall's, BRONZE METAL, No. 3 Finish	10 00



No.		PER DOZ.
19.	Payson's "Perfect," Berlin Bronzed	\$ 2 50
214.	Payson's "Perfect," BRONZE METAL, No. 3 Finish	10 00

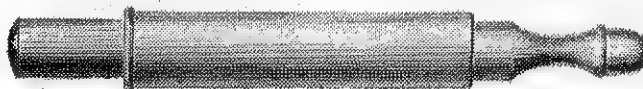
ONE DOZEN IN A BOX, WITH SCREWS.

WINDOW SPRING BOLTS.



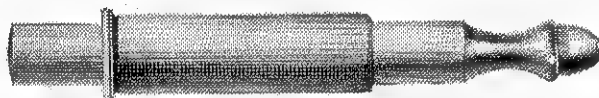
Full Size Out of Nos. 10, 15 and 20.

NO.		PER GROSS.
10.	Japanned	\$2 00
15.	Copper Bronzed	3 00
20.	Japanned, Silver Tip	4 80



Full Size of Cut Nos. 37 and 57.

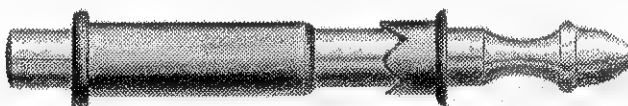
NO.		PER GROSS.
37.	Wrought Iron, Tinned	\$7 00
57.	Malleable Iron, Tinned	8 00



Half Size Out of No. 47.

FOR NARROW SASHES.

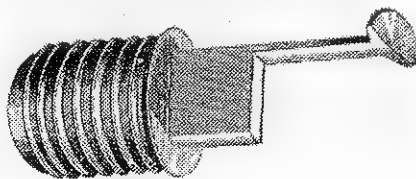
NO.		PER GROSS.
47.	Wrought Iron, Tinned, for Sashes $1\frac{1}{2}$ to $1\frac{3}{4}$ Inches	\$6 75



Full Size Out of No. 500.

NO.		PER GROSS.
500.	Wrought Iron, Tinned	\$7 00

The case of the No. 500 Bolt is made shorter than the usual length, thereby leaving a long solid neck, which plays through a bushing that is driven into the front of the sash



NO.		PER GROSS.
1.	Babcock's, all Iron	\$4 15
2.	Babcock's, Iron Sockets, Brass Thumb Pieces	6 25

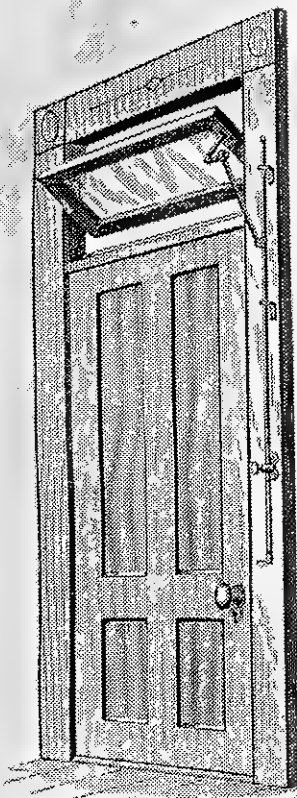
WINDOW SPRING BOLT SOCKETS.

NO.		PER GROSS.
50.	Sockets for Window Spring Bolts	60

WOLLENSACK'S TRANSOM LIFTERS.

CLASS No. 1, HUNG ON CENTERS.

Works Either Way To Pull Down or to Fish Up.



NO						PRICE
20.	Rod 3 feet long,	$\frac{1}{4}$	inch diameter, Bronzed Iron.....			\$ 90
25.	" 3 "	$\frac{5}{16}$	" " " " " " " " " " " "			1 35
30.	" 4 "	$\frac{3}{8}$	" " " " " " " " " " " "			2 00
35.	" 5 "	$\frac{1}{2}$	" " " " " " " " " " " "			3 15
40.	Rod 3 feet long,	$\frac{1}{4}$	inch diameter, NICKEL PLATED.....			2 25
45.	" 3 "	$\frac{5}{16}$	" " " " " " " " " " " "			2 80
50.	" 4 "	$\frac{3}{8}$	" " " " " " " " " " " "			4 10
55.	" 5 "	$\frac{1}{2}$	" " " " " " " " " " " "			6 00

Class No. 3, HUNG WITH BUTTS AT TOP.

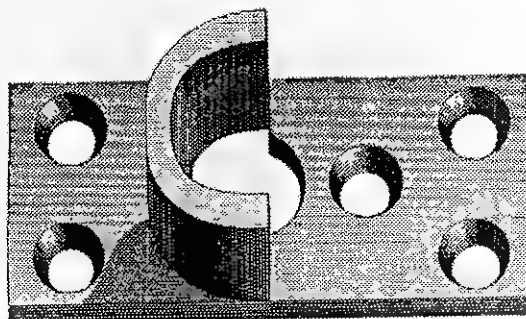
Opens from the Bottom

No.							EACH.
60.	Rod 3 feet long,	$\frac{1}{8}$	inch diameter, Bronzed Iron.....	*	90		
65.	" 3 "	$\frac{3}{16}$	" " " "	1	35		
70.	" 4 "	$\frac{1}{2}$	" " " "	2	00		
75.	" 5 "	$\frac{3}{4}$	" " " "	3	15		
80.	Rod 3 feet long,	$\frac{1}{8}$	inch diameter, Nickel Plated.....	2	25		
85.	" 3 "	$\frac{3}{16}$	" " " "	2	80		
90.	" 4 "	$\frac{1}{2}$	" " " "	4	10		
95.	" 5 "	$\frac{3}{4}$	" " " "	6	00		

For each additional foot in length add, for—
 Bronze Iron, $\frac{1}{4}$ and $\frac{1}{8}$ inch Rod, 15c.; $\frac{1}{2}$ inch Rod, 20c.; $\frac{3}{4}$ inch Rod, 25c.
 Nickel Plated, $\frac{1}{4}$ and $\frac{1}{8}$ inch Rod, 35c.; $\frac{1}{2}$ inch Rod, 45c.; $\frac{3}{4}$ inch Rod, 50c.

Class No. 1

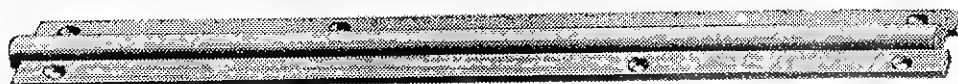
SLIDING DOOR STOPS.



Full Size Cnt.

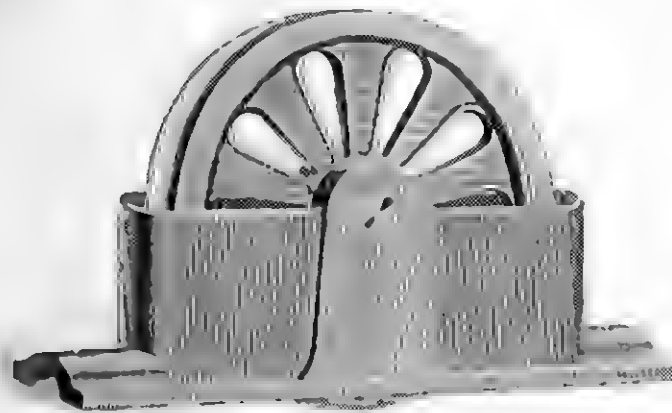
		Full Size Cnt.	PER DOZ.
87.	Painted.....	7.25

SLIDING DOOR RAIL.



135.	1½ inch wide, in 2 Feet Lengths, Iron, Painted.....	1.08 PER FOOT.
125.	1½ inch wide, in 4, 6 and 8 Feet Lengths, Brass.....	1.43 PER POUND.

SLIDING DOOR SHEAVES.



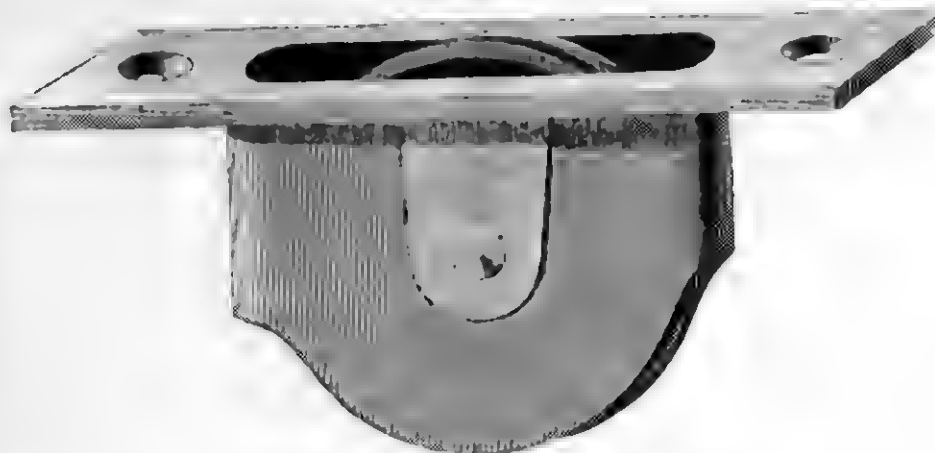
NO.	13	14	15	INCHES
SIZE	3	4	5	
LIST	\$1.00	1.30	1.70	PER SET OF FOUR.

ANTI-FRICTION SLIDING DOOR SHEAVES.

NO.	13	14	15	INCHES
SIZE	3	4	5	
LIST	\$2.15	2.65	3.50	PER SET OF FOUR.

We have thoroughly tested these Sheaves and found them perfectly adapted for Sliding Doors of any kind, and we can recommend them to parties who want cheap Sheaves that have no friction.

EXCELSIOR AXLE PULLEYS.



POLISHED WHEEL

NO.	10	11	12	INCHES
SIZE	2	2 1/2	3	
LIST	5.4	7.5	1.00	PER DOZEN.

No. 10, 2 and 2 1/2 inch bulk, one cent less per dozen

BRONZED IRON FACE, POLISHED WHEEL.

NO.	25	26	27	INCHES
SIZE	2	2 1/2	3	
LIST	7.5	1.00	1.50	PER DOZEN.

ALL AXLE PULLEYS IN PAPER PACKAGES OF ONE DOZEN EACH

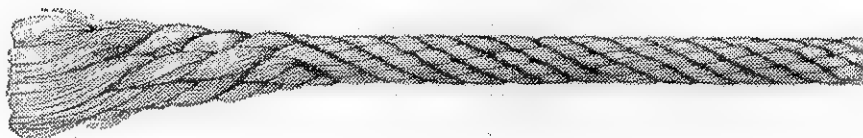
SASH CORD IRONS.



Clarke

PER POUND.
.50

SASH CORD.

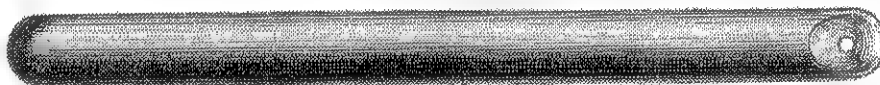


BRAIDED SASH CORD.

NO.	DIAMETER.	PER POUND.
7C.	$\frac{3}{8}$ inch, White Cotton, Braided.....	.40
8C.	$\frac{7}{8}$ inch, White Cotton, Braided.....	.40
9.	$\frac{1}{2}$ inch, White Cotton, Braided.....	.50
10.	$\frac{9}{16}$ inch, White Cotton, Braided.....	.50
12.	$\frac{1}{4}$ inch, Hemp.....	.20
15.	$\frac{1}{4}$ inch, "Indian Star" Hemp.....	.20
20.	$\frac{1}{4}$ inch, Extra Quality Hand Finished Hemp.....	.30

All in Hanks of 100 feet each, Two Lines Connected, One Dozen Hanks (1200 feet) in a Package.

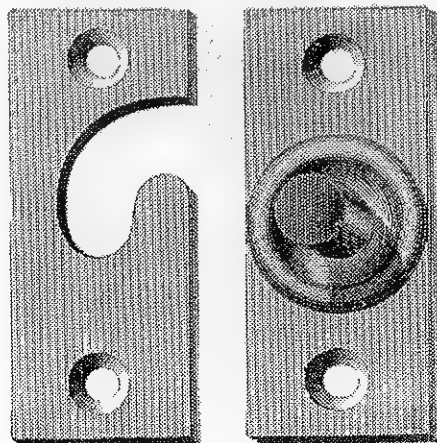
SASH WEIGHTS.

PER POUND.
.03

Round Sash Weights.....

Four to Eighteen pound Round Sash Weights always in Stock. Other sizes and special weights furnished on short notice. Special Weights and sizes other Round or Square, extra price.

SASH CENTERS.



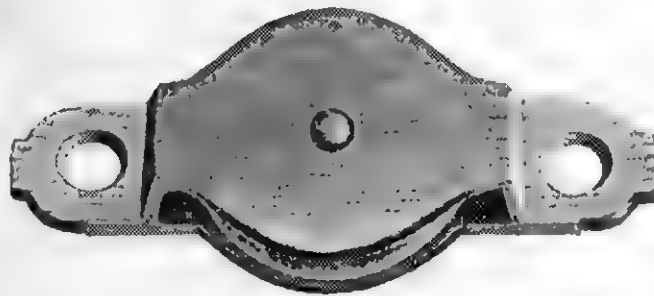
Full Size Cent.

20
22.

Japanned

PER POUND.
.25 00

No. 25, SIDE PULLEYS.



Full Size Out of $1\frac{1}{4}$ Inch.

JAPANNED.

SIZE.	1	1	2	2	3	3	INCHES
LIST.	\$1.00	1.20	1.60	2.10	2.40	3.50	PER DOZ.

$\frac{1}{4}$ TO 2 INCHES, TWO DOZEN IN A BOX, BALANCE ONE DOZEN

No. 42, INCASED SWIVEL PULLEYS.



Full Size Out of $2\frac{1}{4}$ Inch

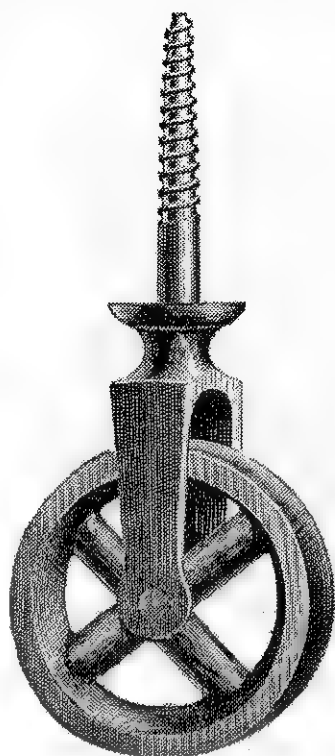
JAPANNED

SIZE.	2	3	INCHES
LIST.	2.50	3.25	PER DOZ.

ONE DOZEN IN A BOX

No. 45, SCREW PULLEYS.

JAPANNED, SINGLE.

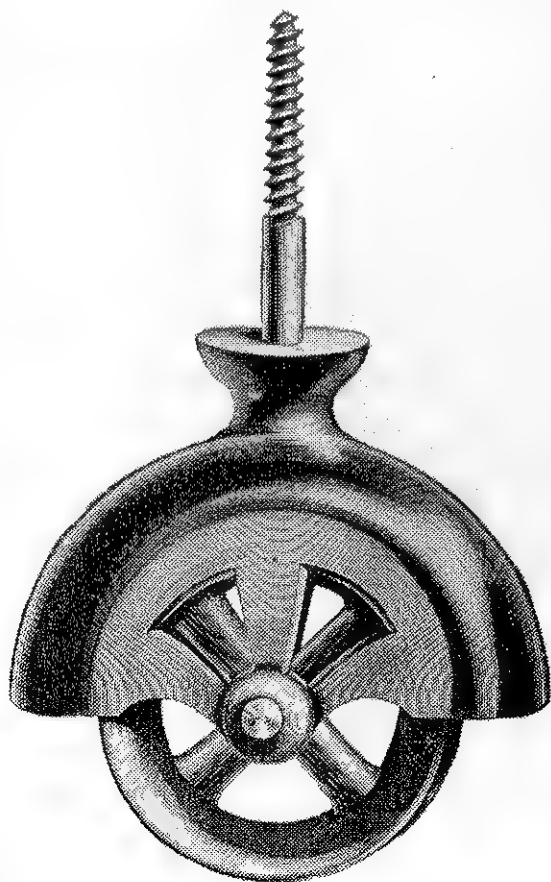


Full Size Cut of No. 45, 1 1/4 inch.

SIZE.	1 1/4	2 1/4	2	INCHES.
LIST.	.08	.82	1 10	PER DOZ.
SIZE.	2 1/4	3 1/4	3	INCHES.
LIST.	\$1 40	1 60	2 25	PER DOZ.

1 1/4 TO 2 1/4 INCH, TWO DOZEN IN A BOX.

2 1/4 AND 3 INCH, ONE DOZEN IN A BOX.



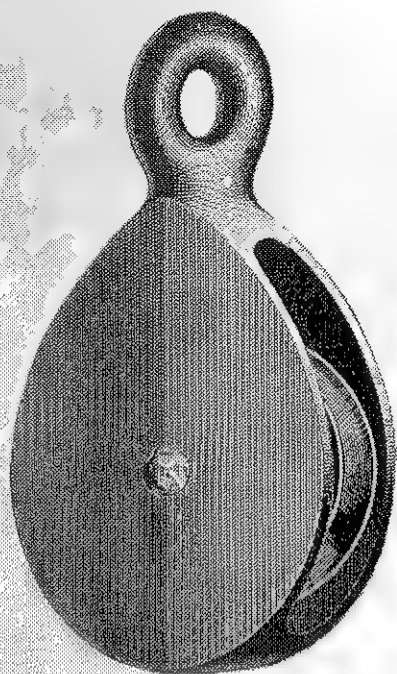
Full Size Cut of No. 43, 2 inch.

No. 43,
Increased Screw Pulleys.

JAPANNED.

SIZE.	2	2 1/4	3	INCHES.
LIST.	\$1 75	2 25	3 00	PER DOZ.

ONE DOZEN IN A BOX



Full Size Cut of No. 74, 1 3/4 Inch.

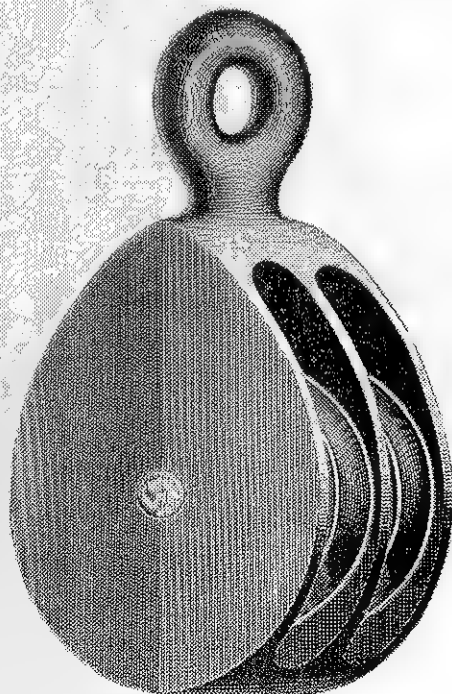
No. 74, TACKLE, OR AWNING PULLEYS.

SINGLE.

JAPANNED.

SIZE.	3/4	1	1 1/4	1 1/2	INCHES.
LIST.	.70	.85	1 00	1 30	PER DOZ.

ONE DOZEN IN A BOX



Full Size Cut of No. 76, 2 1/2 Inch.

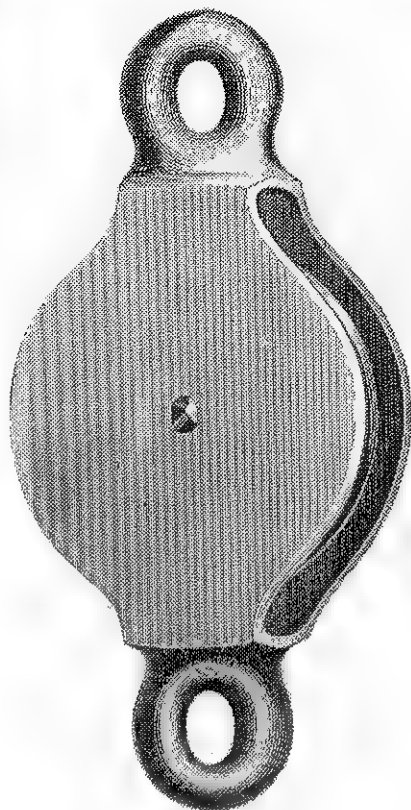
No. 76, TACKLE, OR AWNING PULLEYS.

DOUBLE.

JAPANNED.

SIZE	3/4	1	1 1/4	1 1/2	INCHES.
LIST.	\$1 05	1 25	1 35	2 00	PER DOZ.

ONE DOZEN IN A BOX.



Full Size Cut of No. 75, 2 Inch.

No. 75, TACKLE, OR AWNING PULLEYS.

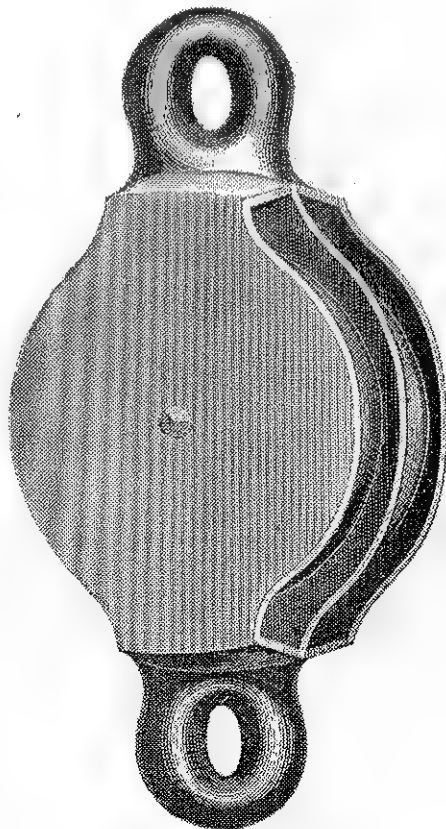
SINGLE.

JAPANNED.

SIZE.	2	3	INCHES.
LIST.	\$2 00	4 00	PER DOZ.

TWO INCH, ONE DOZEN IN A BOX.

THREE INCH, ONE-HALF DOZEN IN A BOX.



Full Size Cut of No. 77, 2 Inch.

No. 77, TACKLE, OR AWNING PULLEYS.

DOUBLE.

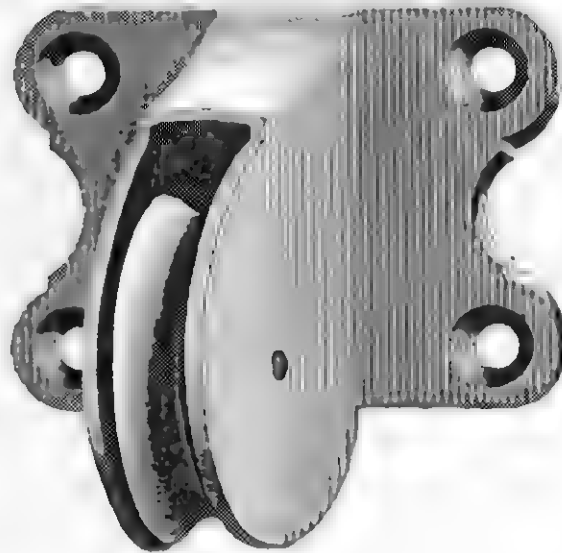
JAPANNED.

SIZE.	2	3	INCHES.
LIST.	\$4 50	6 00	PER DOZ.

TWO INCH, ONE DOZEN IN A BOX.

THREE INCH, ONE-HALF DOZEN IN A BOX.

No. 85 HOT HOUSE PULLEYS.



SINGLE, JAPANNED.

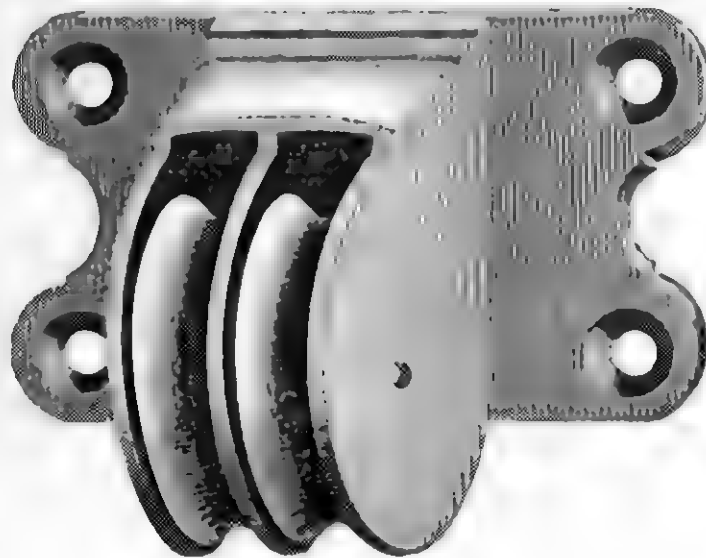
2 inch

PER. DOZ.

\$2 40

ONE DOZEN IN A BOX.

No. 87 HOT HOUSE PULLEYS.

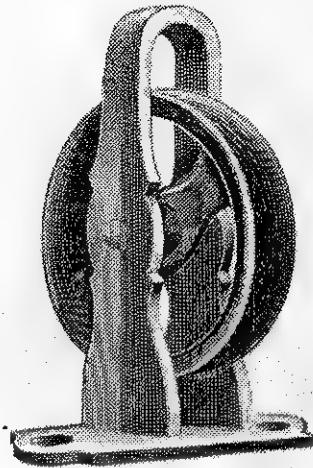


DOUBLE, JAPANNED.

2 inch

ONE DOZEN IN A BOX

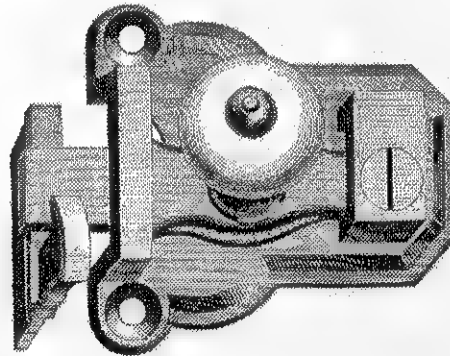
UPRIGHT PULLEYS.



80.
65. 2 inch, Japanned..... PER DOZ. \$1 30

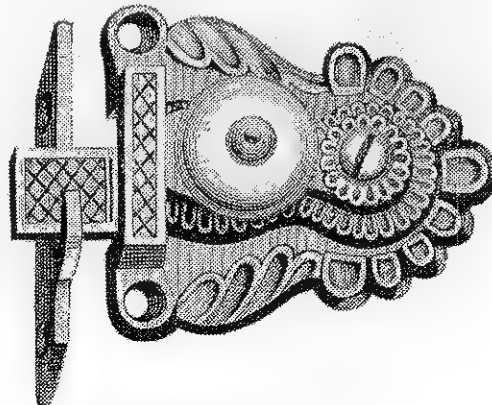
TWO DOZEN IN A BOX.

CUPBOARD CATCHES.



Full Size Cut of No. 101.

80.
101. Japanned Porcelain Knob..... PER DOZ. \$1 50



Full Size Cut of No. 113.

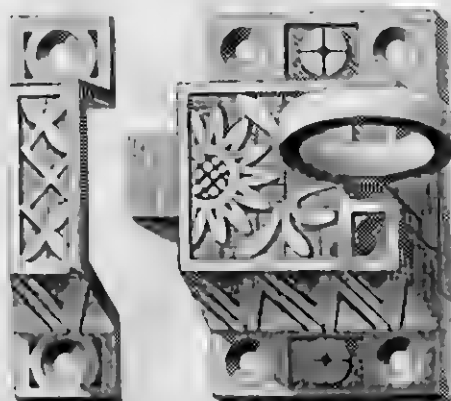
80.
113. Berlin Bronzed, Porcelain Knob, with Screws..... PER DOZ. \$2 40

ONE DOZEN IN A BOX

B. H. SONS & CO., DETROIT.

195A

TRANSOM CATCHES.

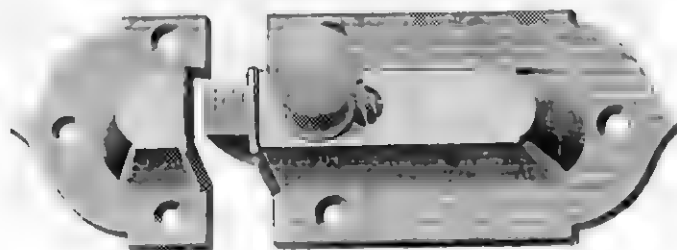


- 195
 196
 197
- Fuscan Bronzed, with Screws
 Bronze Metal, No. 1 Finish
 Bronze Metal, No. 2 Finish

\$20.00
 \$4.00
 \$4.00

ONE DOZEN IN A BOX

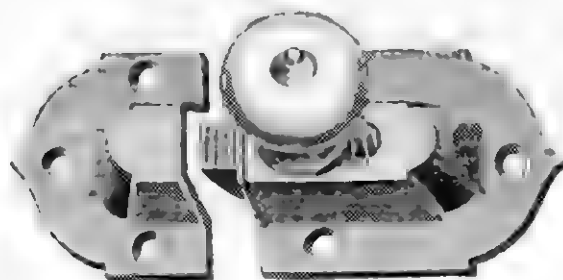
CUPBOARD CATCHES.



- 198 Japanese Brass Knob

PER GROSS
 \$9.50

ONE QUARTER GROSS IN A BOX

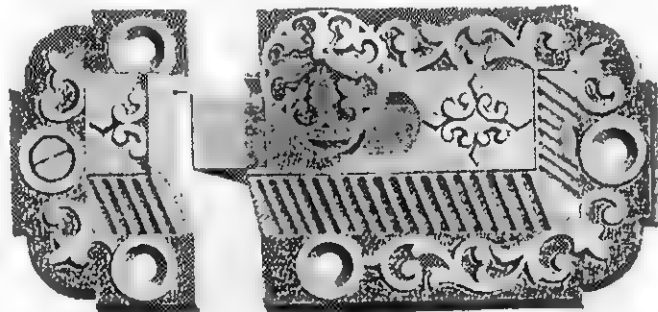


- 199 Japanese Porcelain Knob

PER GROSS
 \$12.50

ONE QUARTER GROSS IN A BOX

CUPBOARD CATCHES.



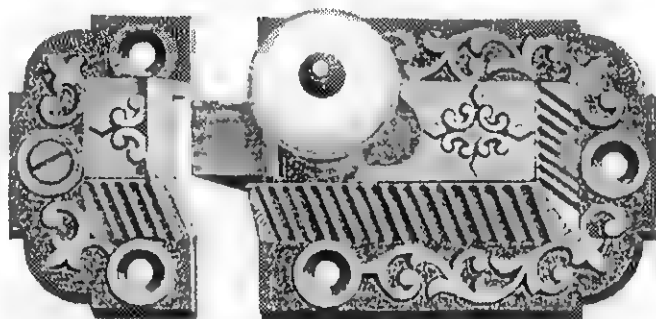
Full Size Cut of No. 262

No.
262.

Tuscan Bronzed, Bronze Metal Knob, with Screws

PER GROSS
\$17.00

ONE-SIXTH GROSS IN A BOX



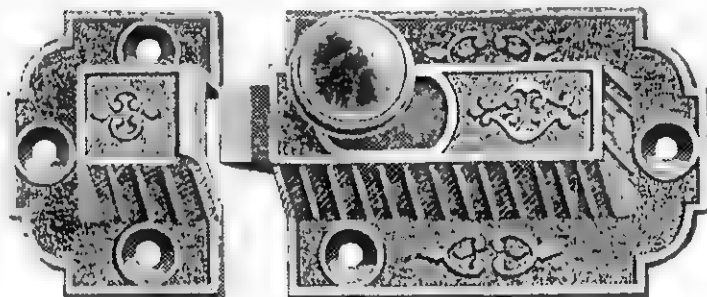
Full Size Cut of No. 267

No.
267.

Tuscan Bronzed, Porcelain Knob, with Screws

PER GROSS
\$17.00

ONE-SIXTH GROSS IN A BOX



Full Size Cut No. 262

PATENT TRIANGULAR BOLT.

No.
262
267

Tuscan Bronzed, Bronze Metal Knob, with Screws

Tuscan Bronzed, Bronze Metal Knob, with Screws

PER GROSS
\$1.00
22.00

ONE-SIXTH GROSS IN A BOX

CUPBOARD OR LOCKER CATCHES.



212

Tuscan Bronzed, with Screws

\$15.50

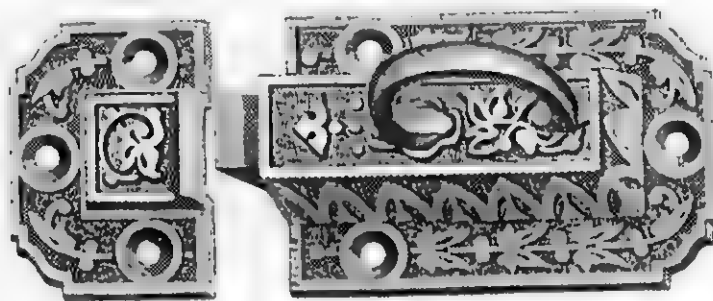
Full Size Cut of No. 257

277.
279

Tuscan Bronzed, Porcelain Knob, with Screws
Tuscan Bronzed, Porcelain Knob, with Screws

\$21.00
25.50

ONE SIXTH GROSS IN A BOX



Full Size Cut of No. 498

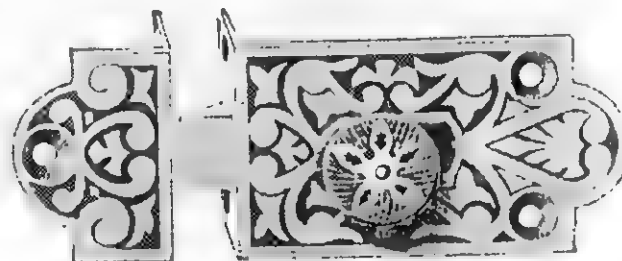
PATENT TRIANGULAR BOLT.

193

Berlin Bronzed, with Screws

\$16.00

ONE SIXTH GROSS IN A BOX



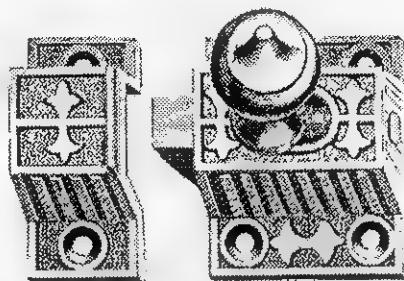
Full Size Cut of No. 298

205
206

Bronze Metal, No. 1 Finish
Bronze Metal, No. 3 Finish

\$10.00
6.00

FRENCH WINDOW CATCHES.

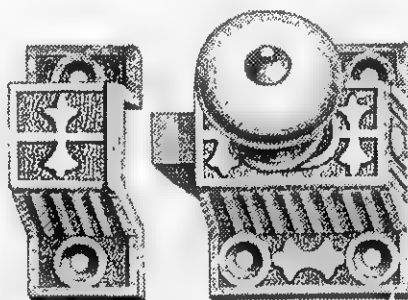


Full Size Cut of No. 3210.

TUSCAN BRONZED, BRONZE METAL KNOB, WITH SCREWS.

NO.	3210	3211	3212	
LIST.	\$14 00	15 50	17 00	PER GROSS.

ONE-SIXTH GROSS IN A BOX.

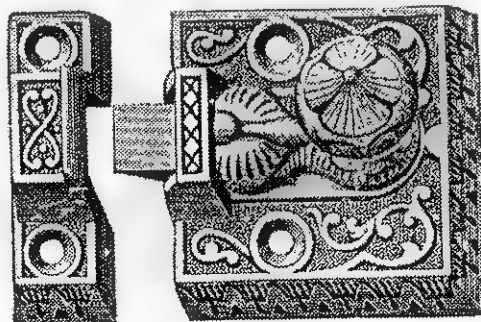


Full Size Cut of No. 3215.

TUSCAN BRONZED, PORCELAIN KNOB, WITH SCREWS.

NO.	3215	3216	3217	
LIST.	\$14 00	15 50	17 00	PER GROSS

ONE-SIXTH GROSS IN A BOX.



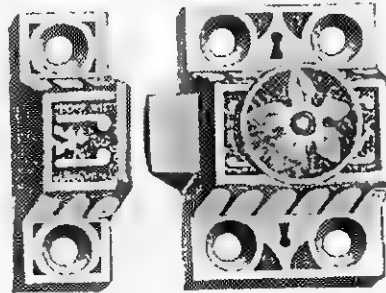
Full Size Cut of No. 3220.

TUSCAN BRONZED, TRIANGULAR BOLT, WITH SCREWS:

NO.	3220	3221	3222	
LIST.	\$10 50	11 00	11 50	PER GROSS.

ONE-SIXTH GROSS IN A BOX

FRENCH WINDOW CATCHES.



Nos. 2916 and 5916.

No.
5916
2916

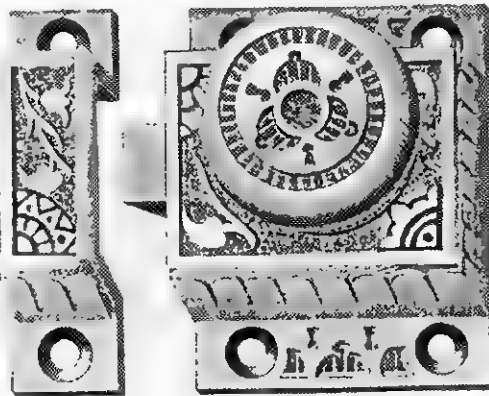
Bronzed Iron, No. 10 Finish, with Screws.

Bronze Metal, No. 3 Finish, with Screws.

No. 10 Finish is Bronzed Iron with Dark Background and Bronze Surface.

Per Doz.
\$1 35
4 70

CUPBOARD TURNS.



Full Size Cut of No. 2028.

PATENT TRIANGULAR BOLT.

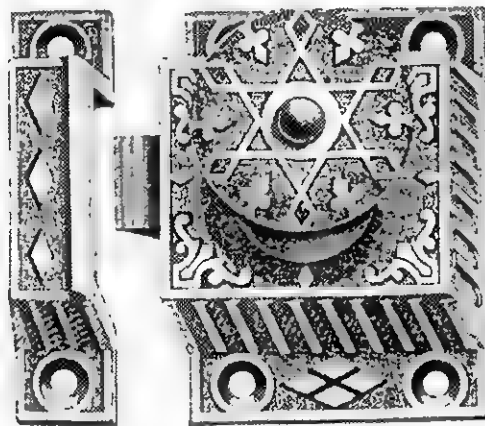
No.
1239
2028.

Tuscan Bronzed, with Screws.

BRONZE METAL, NO. 3 FINISH.

ONE DOZEN IN A BOX.

Per Doz.
\$3 60
12 50



Full Size Cut of No. 4231.

PATENT TRIANGULAR BOLT.

No.
4231.

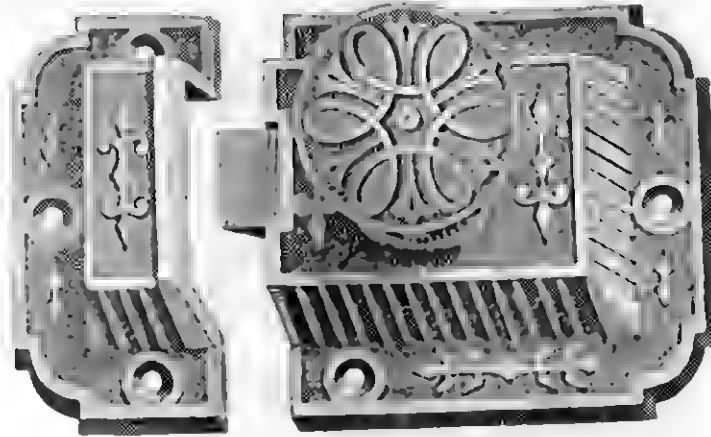
Tuscan Bronzed, BRONZE METAL Knob, with Screws

ONE DOZEN IN A BOX

Per Doz.
\$4 00

BEHL, SONS & CO., DETROIT

CUPBOARD TURNS.



Full Size Out of No. 4240.

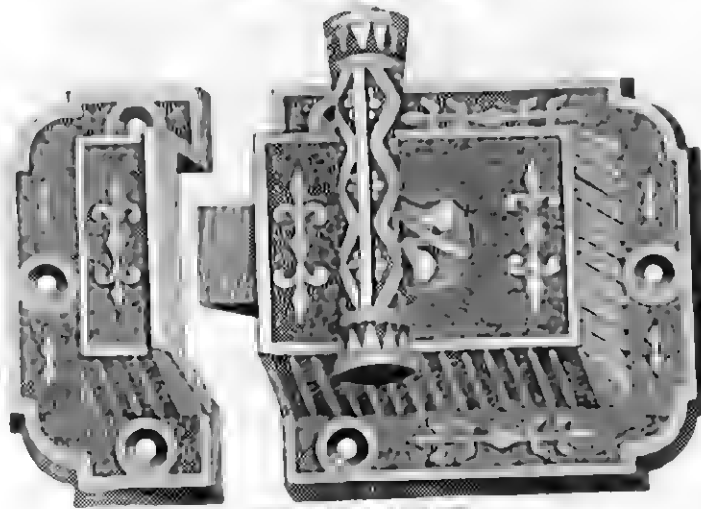
PATENT TRIANGULAR BOLT

No. 4240.

Tuscan Bronzed, with Screws

ONE DOZEN IN A BOX

PER SET
\$4.00



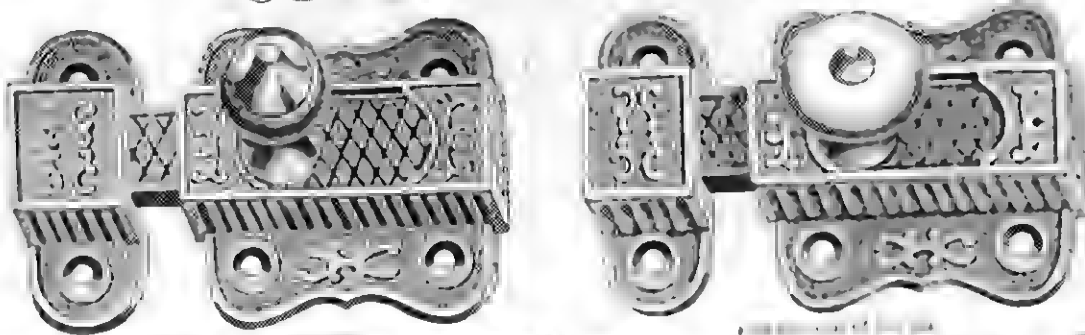
Full Size Out of No. 4240.

PATENT TRIANGULAR BOLT

Patented, Bronzed, Bronze Metal T-Handers, with Screws

ONE DOZEN IN A BOX

CUPBOARD BOLTS.



Full Size Out of No.

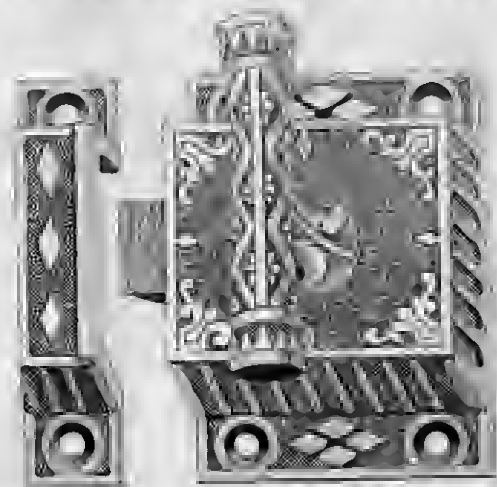
224. Tuscan Bronzed, Bronze Metal Knob, \$4.05 | 224. Tuscan Bronzed, Poterian Knob...

ONE DOZEN IN A BOX, WITH SCREWS

200A

JOHN ROSS & CO., DETROIT

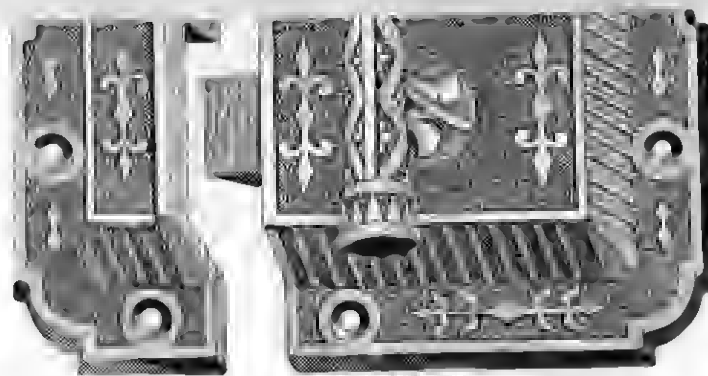
CUPBOARD TURNS



BRONZE METAL T HANDLE

4400 Berlin Bronzed, with Screws.....

See page 81-82



Full size cut at 50-51

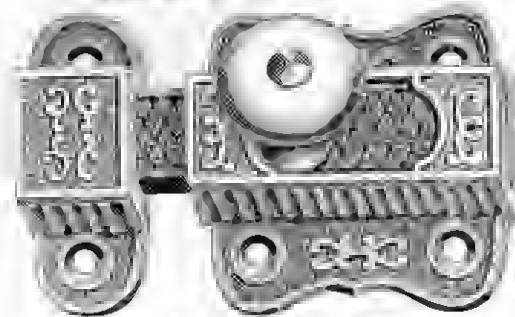
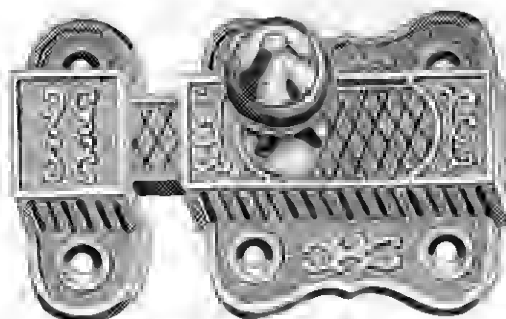
PATENT TRIANGULAR BOLT.

4412 Berlin Bronzed, BRONZE METAL T HANDLES, with Screws.....

See page 82-83

ONE DOZEN IN A BOX.

CUPBOARD BOLTS.



220 Tuscany Bronzed, Bronze Metal Knob.....

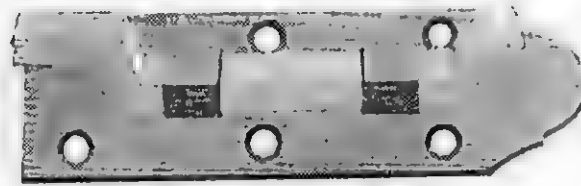
\$2 05

Tuscany Bronzed, Porcelain Knob.....

See page 84-85

ONE DOZEN IN A BOX, WITH SCREWS

No. 325, NECK BOLTS.



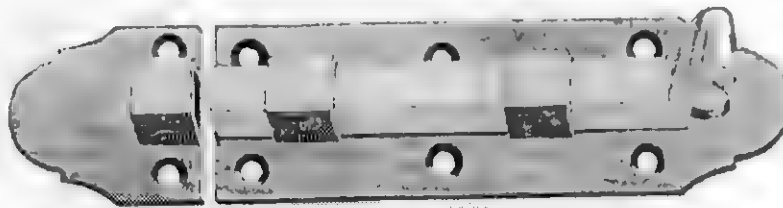
Full Size Cut of 8 inch

WROUGHT IRON, JAPANNED PLATE, POLISHED BOLT.

SIZE.	3 1/2	4	INCHES.
LIST.	\$1.60	1.80	PER DOZ.

ONE DOZEN IN A BOX

No. 315, SPRING BOLTS.



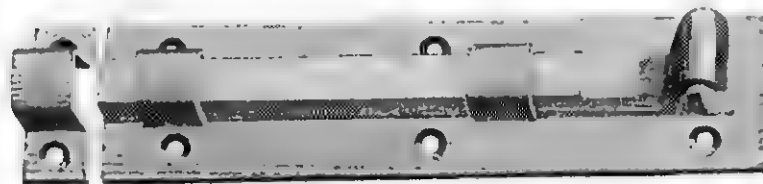
Full Size Cut of 8 inch.

WROUGHT IRON, JAPANNED PLATE, POLISHED BOLT.

SIZE.	2	2 1/2	3	3 1/2	4	5	INCHES.
LIST.	\$1.10	1.20	1.35	1.60	1.80	2.25	PER DOZ.

ONE DOZEN IN A BOX

No. 305, SQUARE BOLTS.



STEEL SPRING, JAPANNED PLATE, POLISHED BOLT.

SIZE.	4	5	6	8	INCHES.
LIST.	\$2.50	2.65	2.85	4.00	PER DOZ.

ONE HALF DOZEN IN A BOX.

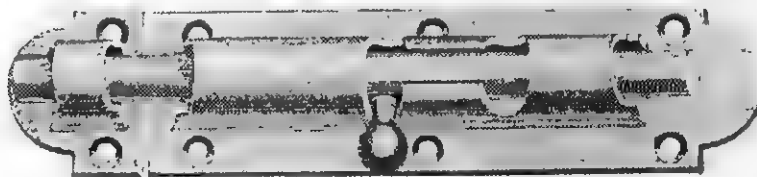
No. 308, SQUARE BOLTS.

EXTRA HEAVY WITH WROUGHT IRON FLOOR PLATE.

SIZE.	10	12	INCHES.
LIST.	\$8.00	10.00	PER DOZ.

ONE HALF DOZEN IN A BOX

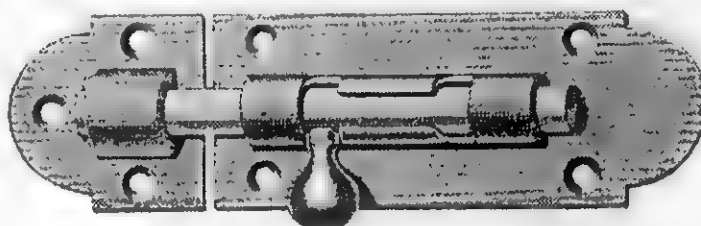
No. 362, CAST BARREL BOLTS.



JAPANNED, BRASS KNOB.

SIZE	3	4	5	6	INCHES.
LIST.	\$1.00	1.12	1.45	1.80	PER DOZ.

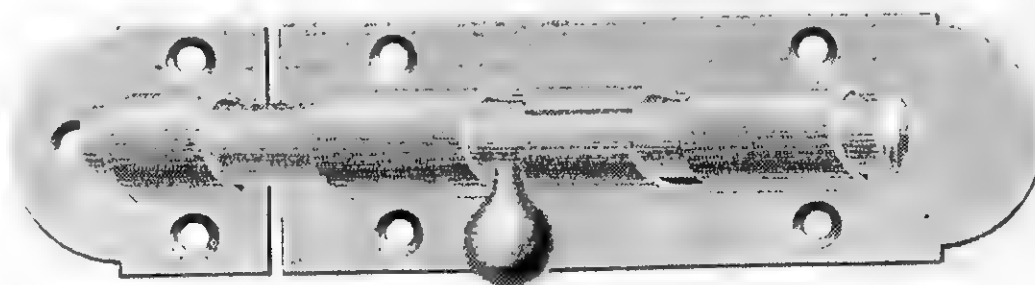
ONE DOZEN IN A BOX.

No. 365, WROUGHT IRON
BARREL BOLTS.Full Size Out of $\frac{3}{4}$ Inch.

LIGHT PATTERN.

SIZE	3	4	5	INCHES.
LIST.	\$1.50	1.90	2.15	PER DOZ.

ONE DOZEN IN A BOX.

No. 367, WROUGHT IRON
BARREL BOLTS.

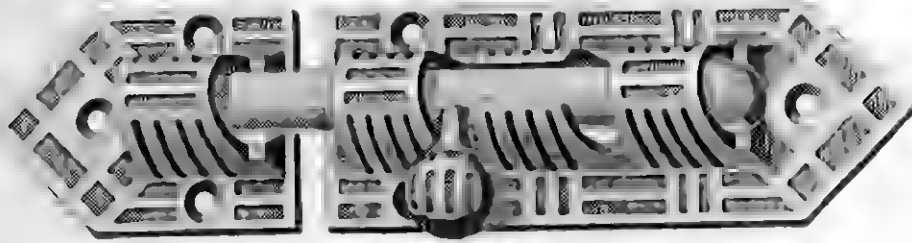
Full Size Out of 1 Inch.

BRASS KNOB, JAPANNED PLATE, POLISHED BOLT.

SIZE	3	4	5	6	INCHES.
LIST.	\$2.15	2.45	3.00	3.40	PER DOZ.

ONE DOZEN IN A BOX.

NO. 251. LIGHT BARREL BOLTS.



Full Size Cut of 1 Inch.

TUSCAN BRONZED.

1/2
1/4

3/4
1/2

1
1/2

1
1/2

1/2
1/4

ONE DOZEN IN A BOX, WITH SCREWS.

NO. 272. BARREL BOLTS.



Full Size Cut of 1 Inch.

TUSCAN BRONZED, BRONZE METAL KNOB

1/2
1/4

3/4
1/2

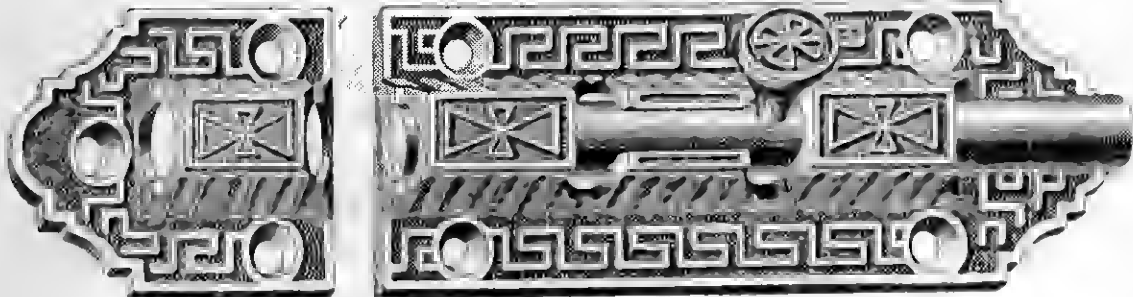
1
1/2

1
1/2

1/2
1/4

ONE DOZEN IN A BOX, WITH SCREWS.

BARREL BOLTS.



Full Size Cut of 1 Inch.

BRONZED AND BRONZE METAL

Bronzed Iron, No. 10 Finish

5711
4

5712
5

INCHES.

PER DOZ.

Bronze Metal, No. 10 Finish

5713
4

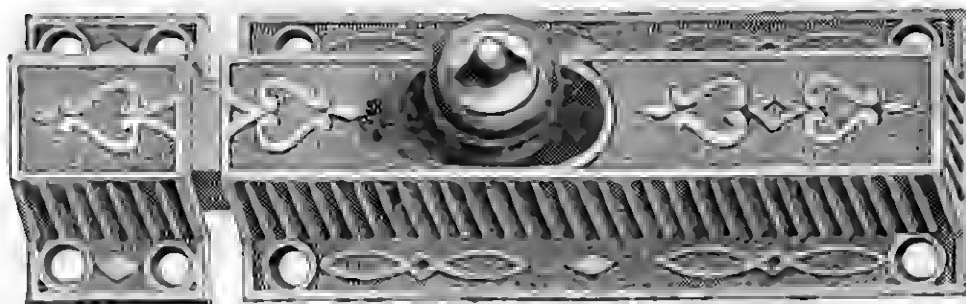
5714
5

LIST.

1/2
1/4
PER DOZ.

No. 10 Finish 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

TUBSTAN BRONZED SQUARE CASED BOLTS.



Full Size Out of No. 202.

No. 202, WITH BRONZE METAL KNOB.

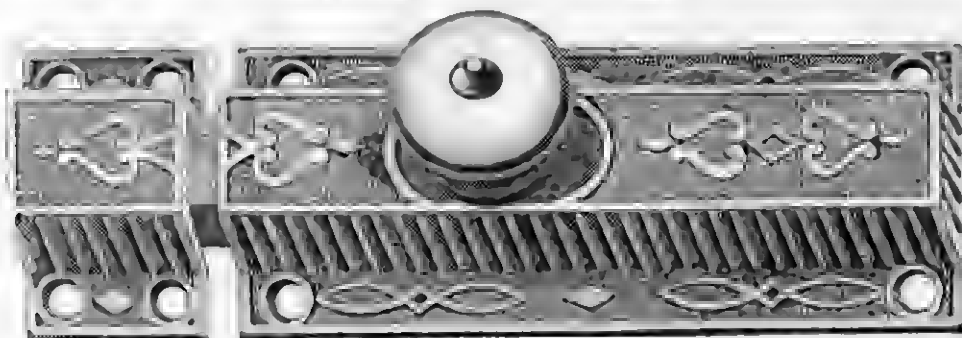
SIZE.
PART.

3
1/2

4
1/2

1 DOZEN
3 60

ONE DOZEN IN A BOX, WITH SCREWS.



Full Size Out of No. 204, 4 Inch.

No. 204, WITH PORCELAIN KNOB.

SIZE.
PART.

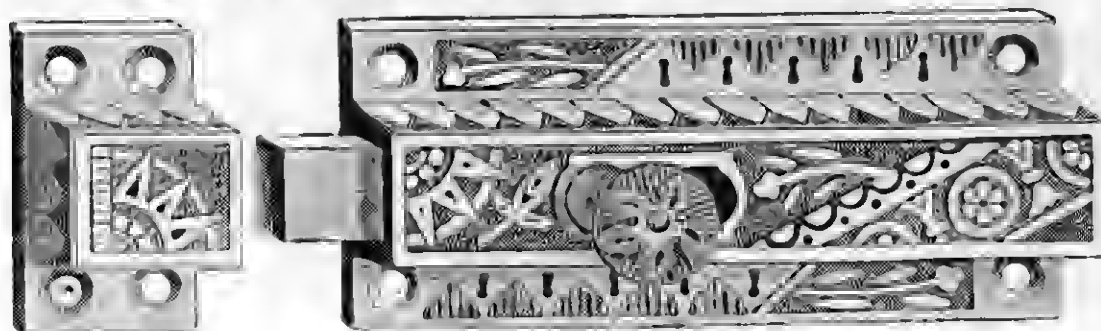
3
1/2

4
3 60

1 DOZEN
3 60

ONE DOZEN IN A BOX, WITH SCREWS.

BRONZED AND BRONZE METAL SQUARE CASED BOLTS.



No. 10 and No. 11.

No. 10, 4 inch, Bronzed Iron, No. 10 Finish, 1 inch, Bronze Metal, No. 11 Finish, 3 60

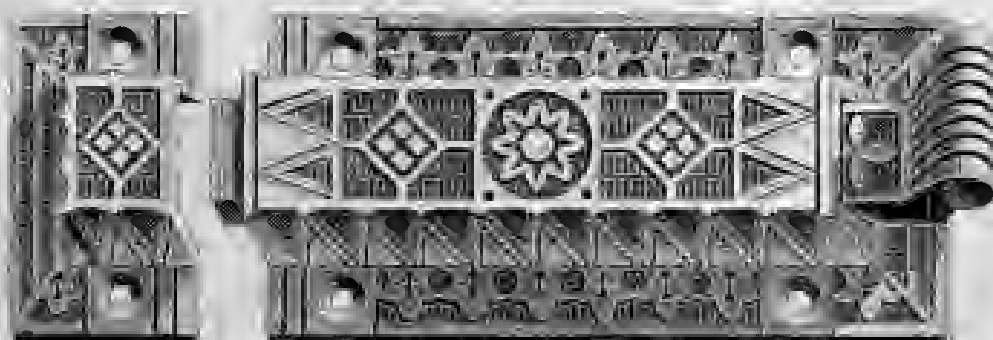
No. 10 Finish is a Bronzed Iron, with a Dark Background and Polished Bronze Surface.

ONE DOZEN IN A BOX, WITH SCREWS.

ROHLER, SONS & CO., DETROIT

205

No. 1200, SQUARE BOLTS.



TUSCAN BRONZED.

1200
1200

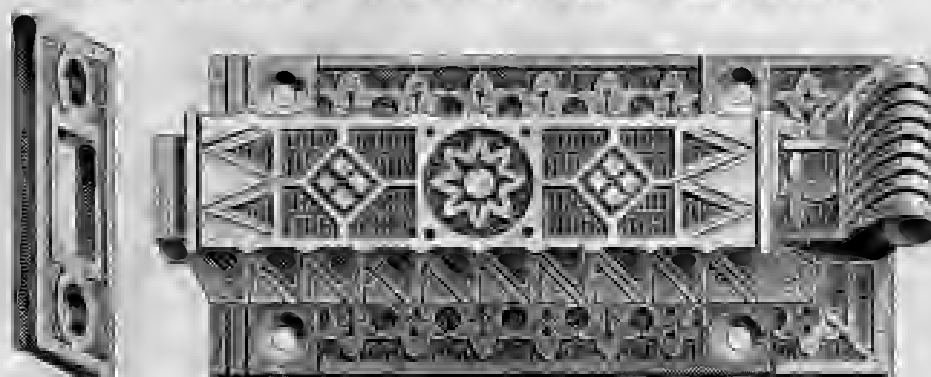
1200
1200

ONE-HALF DOZEN IN A BOX WITH NUTS.

1200
1200

1200
1200

No. 1290, BOTTOM BOLTS.



TUSCAN BRONZED.

1290
1290

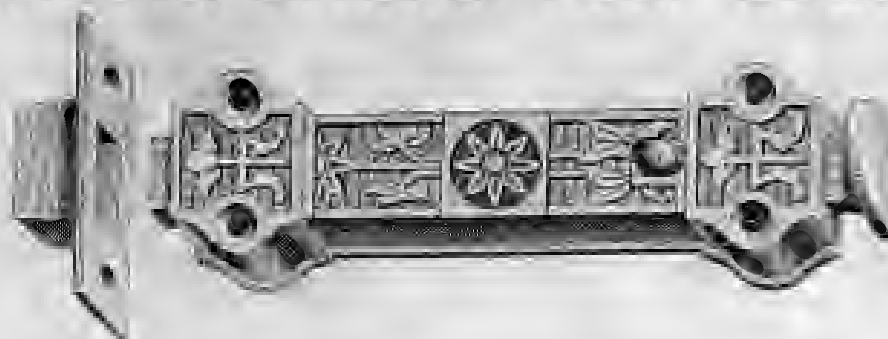
1290
1290

ONE-HALF DOZEN IN A BOX WITH NUTS.

1290
1290

1290
PER DOZ.

No. 391, SPRING FOOT BOLTS.



JAPPANED.

391
391

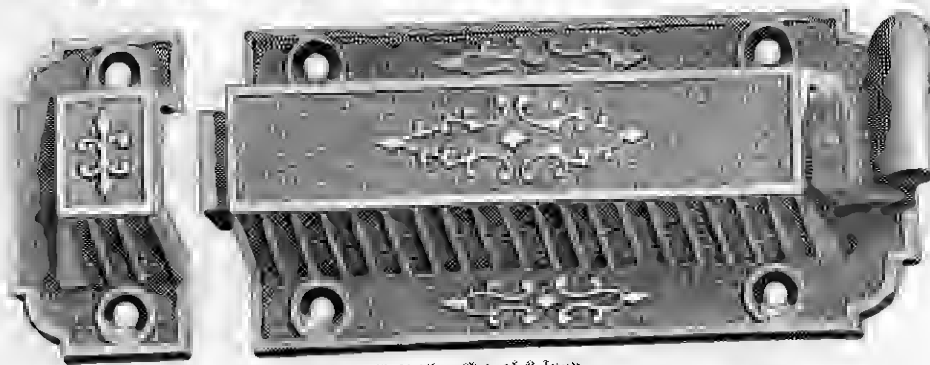
391
391

ONE-HALF DOZEN IN A BOX.

391
391

391
PER DOZ.

No. 200¹/₂ SQUARE BOLTS.



Full Size Cut of 3 Inch.

TUSCAN BRONZED.

W. H. & C.

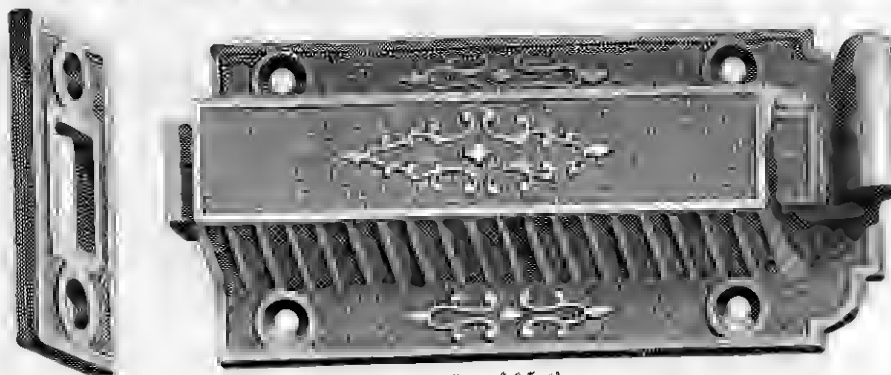
\$2.00

1.00

ANYONE
CAN DO IT

ONE DOZEN IN A BOX, WITH SCREWS

No. 290, BOTTOM BOLTS.



Full Size Cut of 3 Inch.

TUSCAN BRONZED.

W. H. & C.

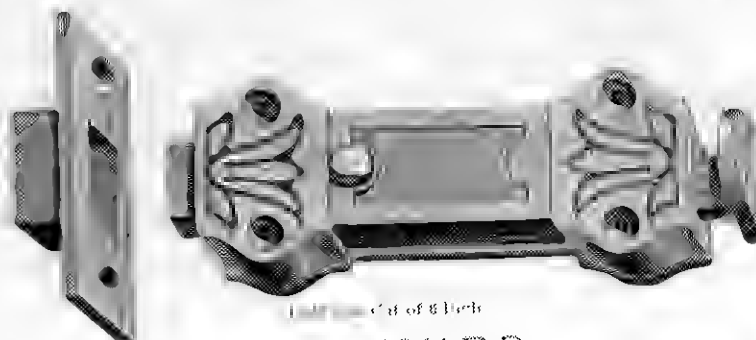
\$2.00

1.00

ANYONE
CAN DO IT

ONE HALF DOZEN IN A BOX, WITH SCREWS.

No. 391, SPRING FOOT BOLTS.



Full Size Cut of 6 Inch.

JAPANNED.

W. H. & C.

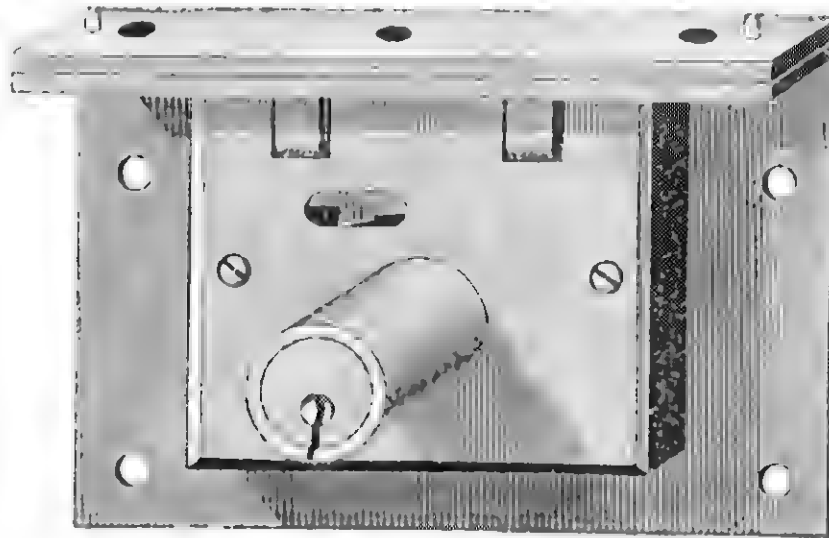
\$1.00

1.00

ANYONE
CAN DO IT

ANYONE CAN DO IT

CHEST LOCKS.

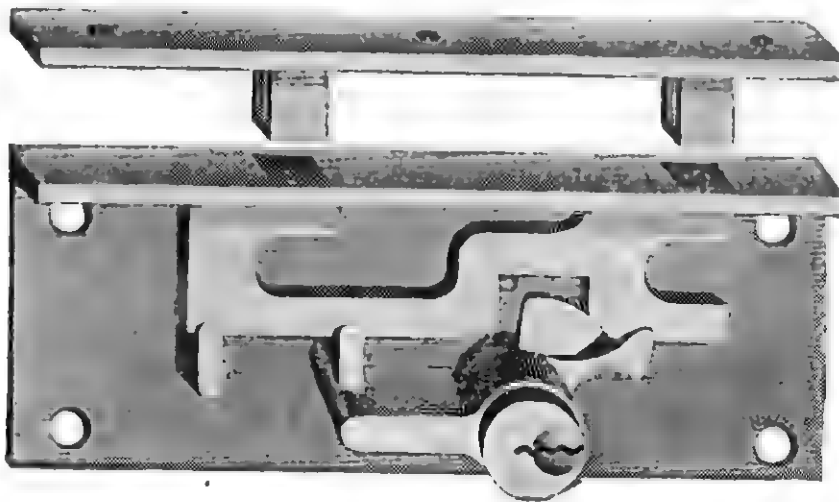
No.
6068

1 inch, All Brass, Double Link, Solid Square Box, Screwed, Four Tumbler, Two Nickel Plated Flat Steel Keys with each Lock, all different in a dozen, 1 inch from Selvedge to center of Key Cylinder. Cylinders three lengths in each dozen for $1\frac{1}{4}$, $1\frac{1}{2}$ and $1\frac{3}{4}$ inch Wood

PER DOZ.

\$18 00

"YALE" CHEST LOCKS.

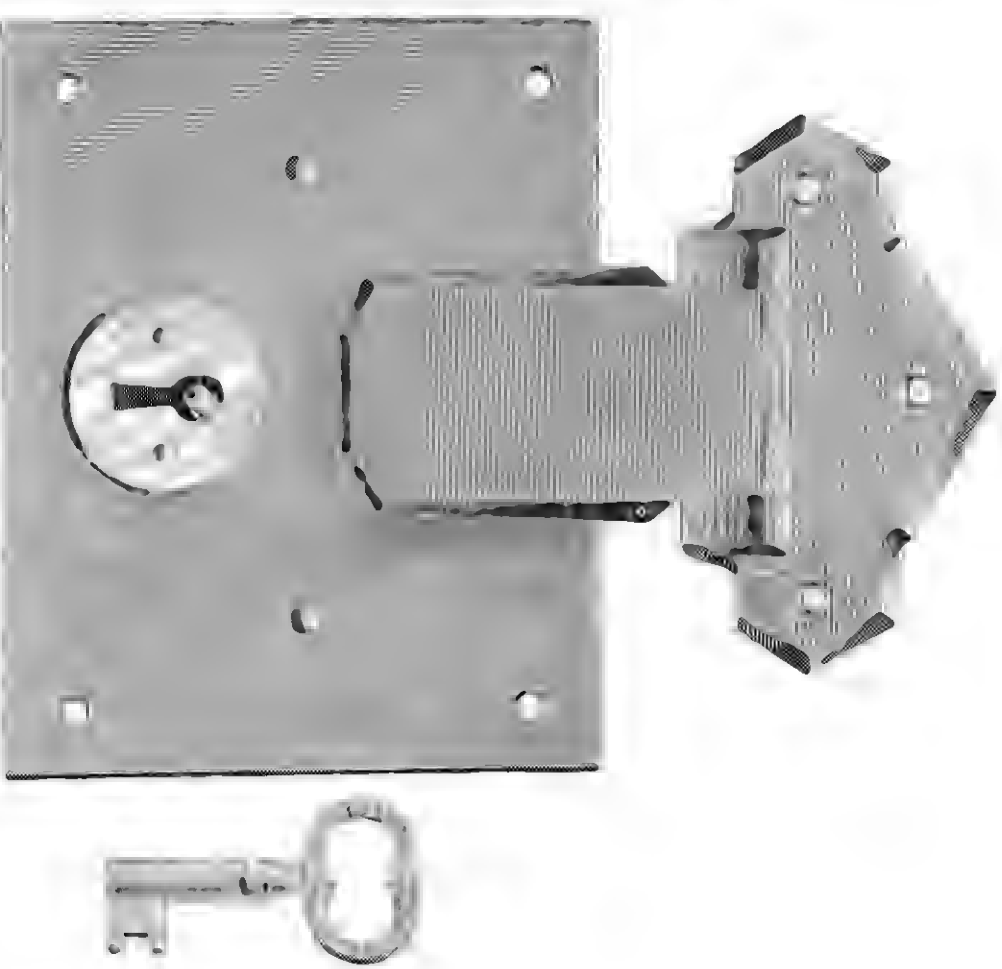
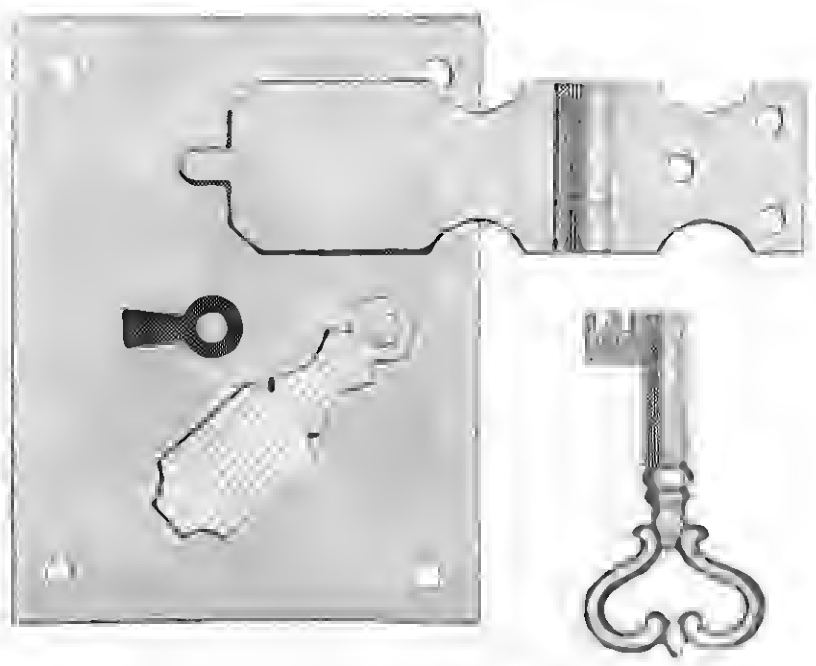
No.
6069

$1\frac{1}{4}$ inch, All Brass, Double Link, Five Tumblers, Two Nickel Plated Flat Steel Keys with each Lock, capable of Thousands of Changes.

PER DOZ.

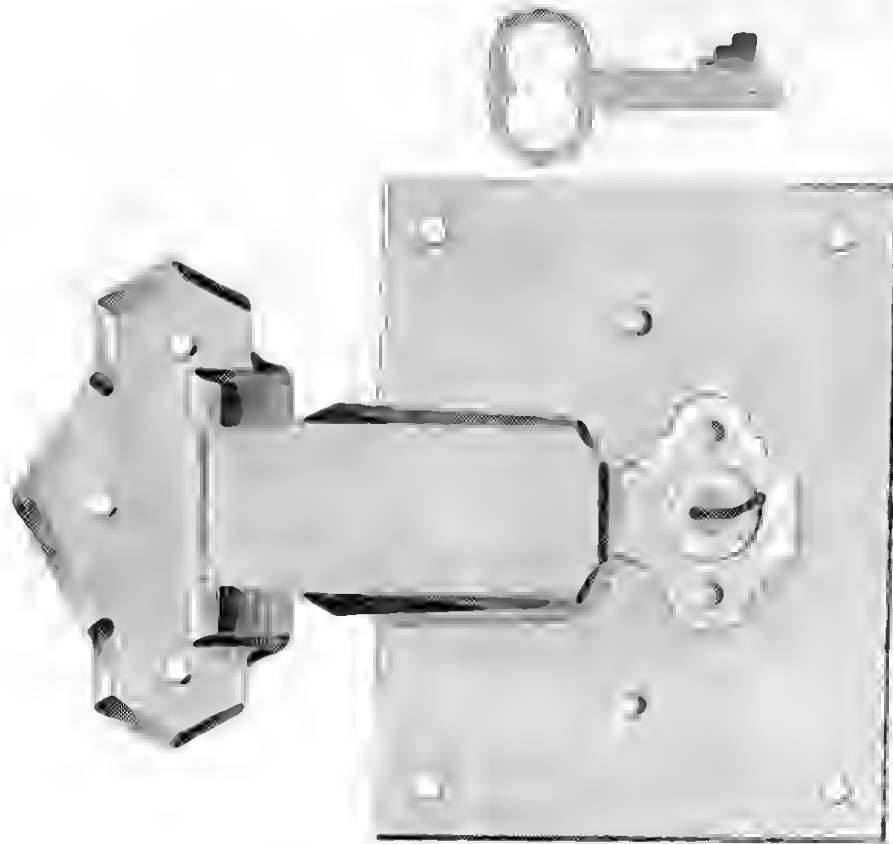
\$25 00

IRON TRUNK LOCKS.



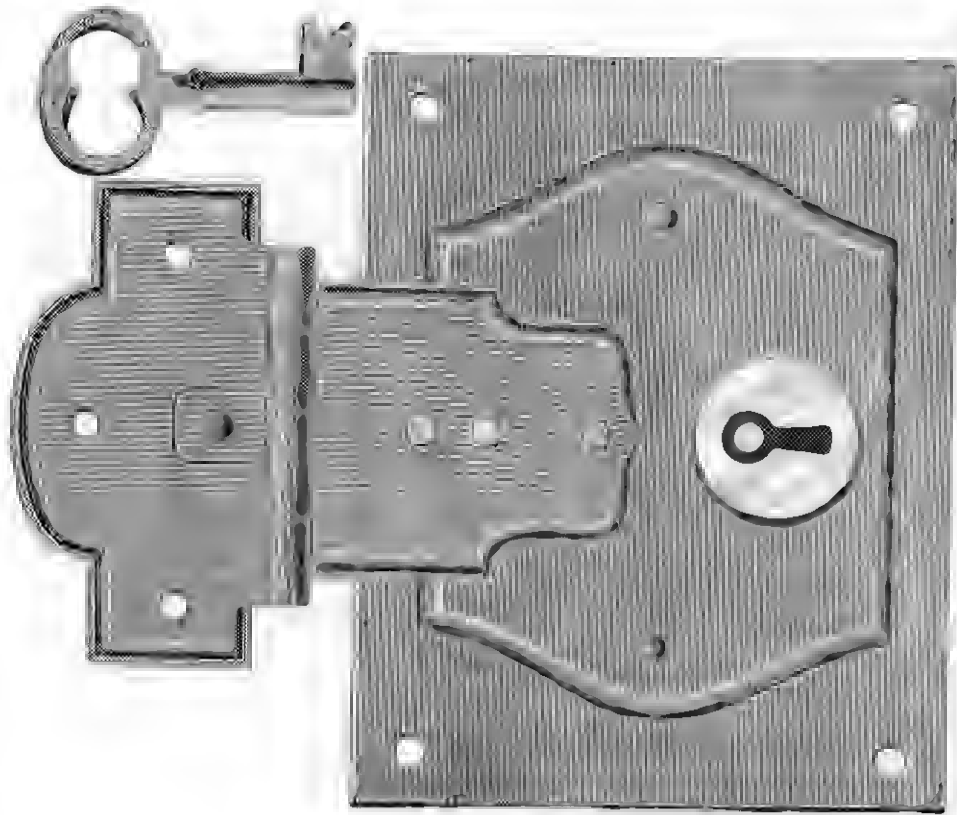
These locks are made by the following process: The iron is first melted in a furnace, and then poured into a mold. The mold is then cooled, and the lock is removed. The lock is then finished by grinding and polishing.

BRASS TRUNK LOCKS.



FLAT STEEL KEY

1041 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1042 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1043 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1044 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1045 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1046 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1047 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1048 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1049 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1050 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat.



1041 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1042 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1043 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1044 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1045 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1046 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1047 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1048 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1049 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat. 1050 1 1/2 inch, Brass. Padlock 1 1/2 inch. Key 1 1/2 inch. Flat.

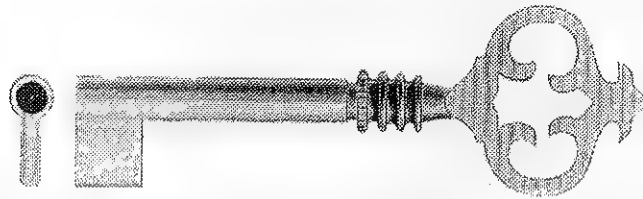
TUMBLER BRASS TRUNK LOCKS.



NICKEL PLATED FLAT STEEL KEYS.

1	Club, Brass, Swivel Spring Hinge, Round Plated Flange, 10" R/C, all different in a 1" W x 1" H x 1" D Hinge to 'Trunk'	1	Endcap, 'Turner' Polyester, 10" x 10" x 10" 1" W x 1" H x 1" D Hinge to 'Trunk'
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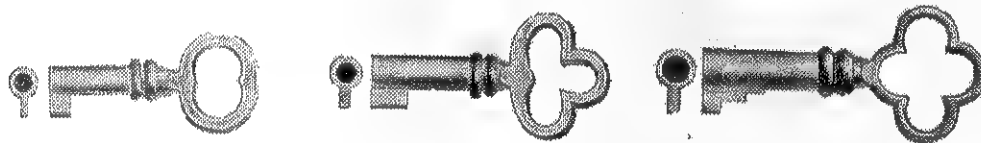
ASSORTED CABINET KEYS.



	PER GROSS.
Cabinet Keys, Assorted (Till, Cupboard and Chest)	\$3 75
Till Keys, Assorted.....	3 25
Chest Keys, Assorted.....	3 75
Cupboard Keys, Assorted.....	3 75

ONE GROSS IN A BOX.

ASSORTED TRUNK AND BAG KEYS.



	PER GROSS.
Trunk Keys, Assorted.....	\$3 50
Bag Keys, Assorted	3 00

ONE-HALF GROSS IN A BOX.

PADLOCK KEYS.

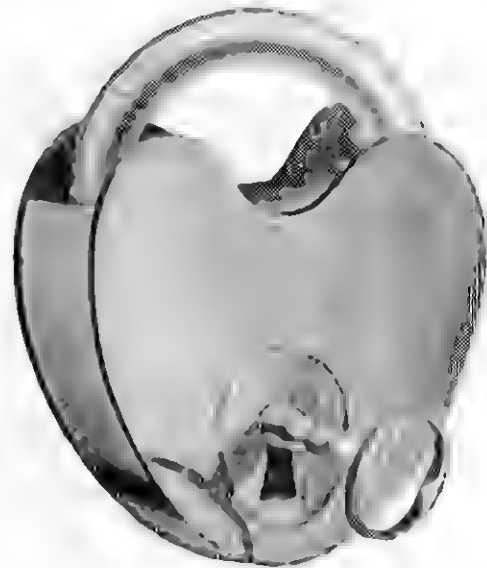
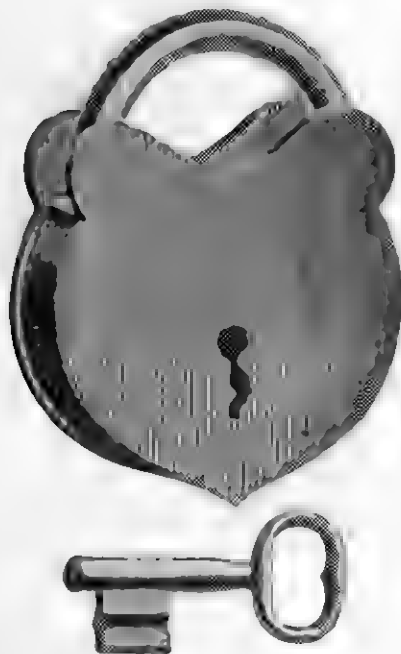
	PER GROSS.
Padlock Keys, Assorted, Nos. 0000 to 4.....	\$ 3 50
Padlock Keys, Assorted, Large, Nos. 0000 to 8.....	4 38
Padlock Keys, Assorted, Nos. 2300, 2400, 2700 and 2800.....	12 00

ONE-HALF GROSS IN A BOX.

PADLOCK MASTER OR PASS KEYS.

	PER GROSS.
For Padlocks Nos. 0000 to 932.....	\$36 00
For Padlocks 2400 and 2700	72 00

JAPANNED IRON PADLOCKS.



NO.
0000. 2 inch, with One Key.....
Self Locking, Assorted Iron Keys.

PER DOZ.
\$1 05

NO.
000. 2 1/2 inch, with One Key
Raised Bushings Assorted Iron Keys.

PER DOZ.
\$1 50

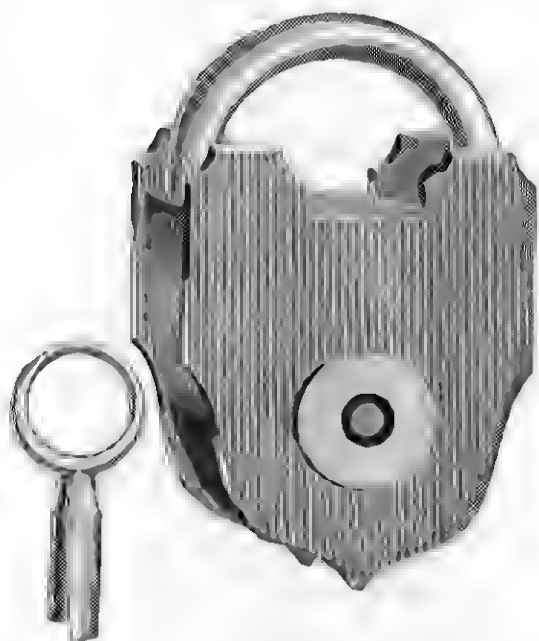


NO.
0. 1 1/2 inch, with One Key.
0. 2 1/2 inch, with Two Keys.
Raised Bushings, Brass Drops, & Assorted
Iron Keys to the dozen

PER DOZ.
\$1 80
\$ 93

1. 2 1/2 inch, with One Key.
Brass Drops Assorted Iron Keys

JAPANNED IRON PADLOCKS.



3013. 2½ inch, with One Key.....

\$2.00

Always in stock. Also in stock at all our agents.

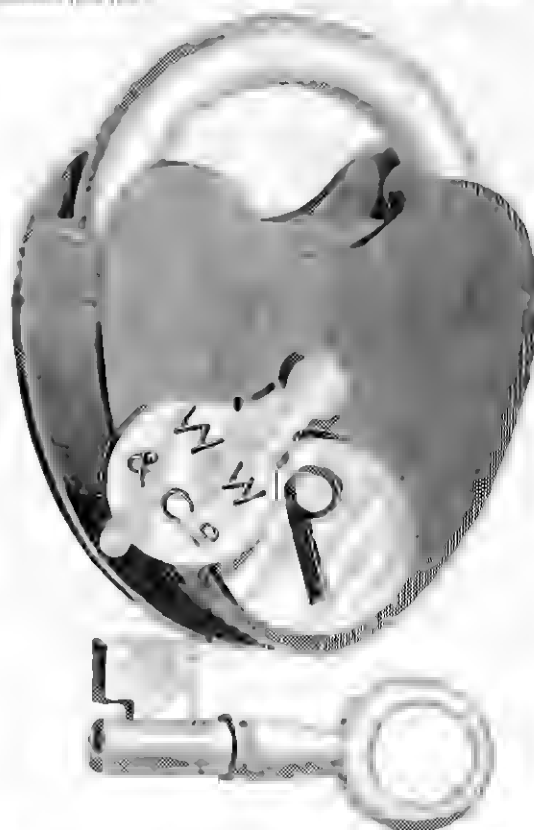


3014. 3 inch, with One Key.....

Always in stock. Also in stock at all our agents.



3015. 3 inch, with One Key.....

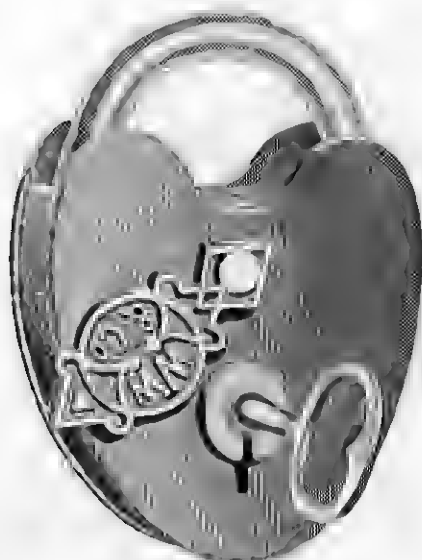


3016. 3½ inch, with One Key.....

Always in stock. Also in stock at all our agents.

BUHL SONS & CO. DETROIT

JAPANNED IRON PADLOCKS.



BRASS KEY WITH PATENT
STEEL BIT.

2200. 2 1/2 inch, with One Key.
2300. 2 1/2 inch, with Two Keys.
These padlocks have silver plated brass, fine gold
wires, and patent steel wards. Assorted sizes which
are given in the above.

2400. 3 1/2 inch, with One Key.
2500. 3 1/2 inch, with Two Keys.
These padlocks have silver plated brass and silver
wires. Assorted sizes which are given in the above.
Bits, to the dozen.

PER DOZ.

24 00

25 00

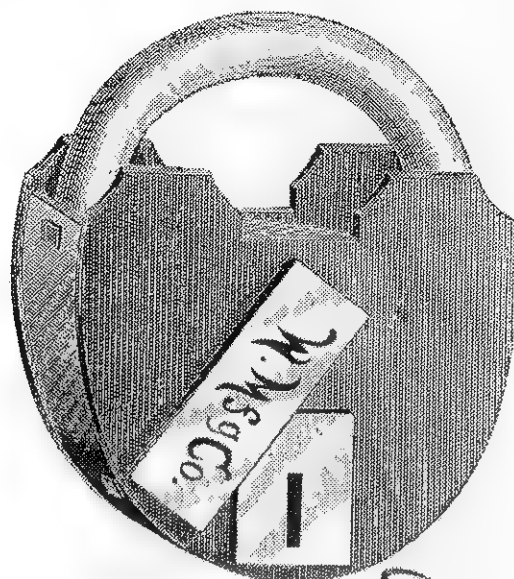
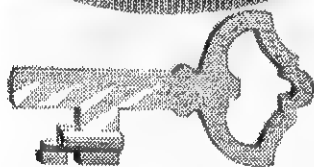


2600. 2 1/2 inch, with One Key.
2700. 2 1/2 inch, with Two Keys.

These padlocks have silver plated brass, fine gold
wires, and patent steel wards. Assorted sizes which
are given in the above.

BUIHL SONS & CO., DETROIT.

JAPANNED IRON PADLOCKS.



SPRING SHACKLES.

NO. 3018. 2½ inch, with One Key..... PER DOZ. \$3 25

Brass Drop and Bushings. Assorted, Six kinds of Steel Keys to the dozen.

NO. 3037. 2½ inch, with One Key..... PER DOZ. \$4 00
 NO. 3037. 2½ inch, with Two Keys..... 4 63

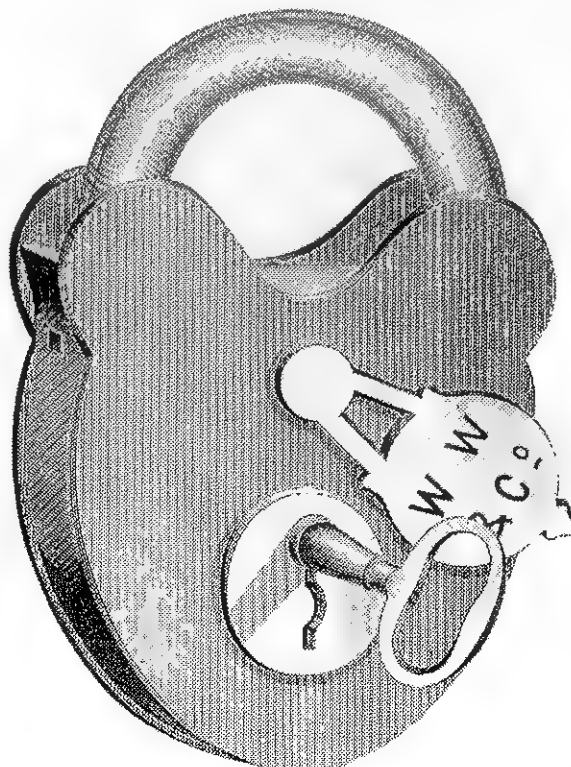
Brass Drop and Escutcheons, Secret Key Hole, Two Tumblers, Four Bridge Wards, Flat Steel Keys.

EXTRA HEAVY.

BRASS KEYS WITH STEEL BITS.

NO. 2700. 3 inch, with Two Keys..... PER DOZ. \$7 00

Brass Drop and Bushings, Full Brass Wheels, and Patent Bridge Wards, Assorted Twelve Kinds of Brass Keys with Steel Bits to the dozen.



No. 2700.

BUEHLER & CO., DETROIT.

100

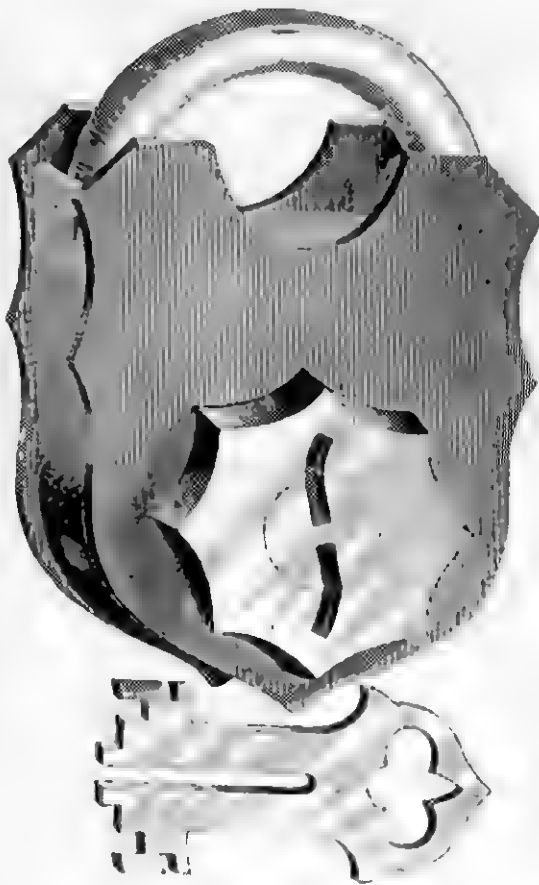
JAPANNED IRON PADLOCKS.

EXTRA HEAVY.

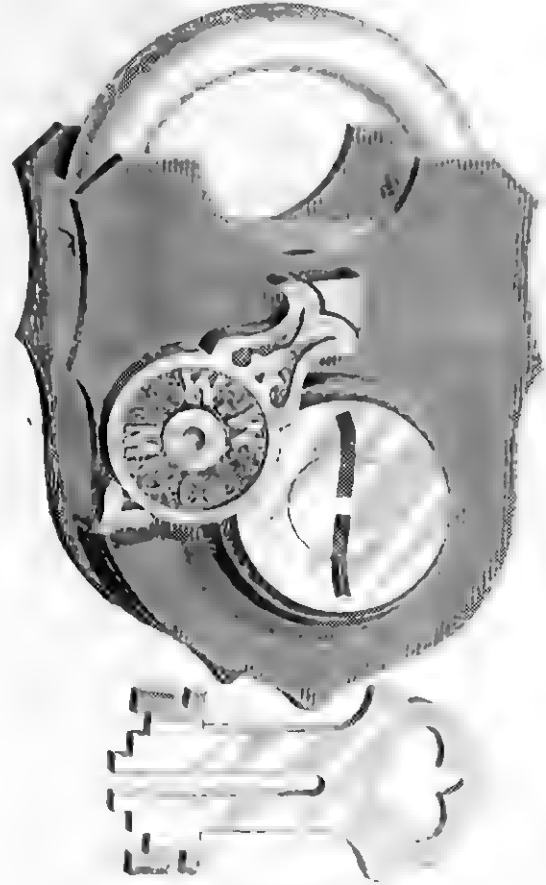
ADAPTED FOR

RAILROAD, STORE, ETC.,

WHERE STRONG SECURE PADLOCKS ARE REQUIRED.



No. 3026.



No. 3027.

REVOLVING KEY PINS.

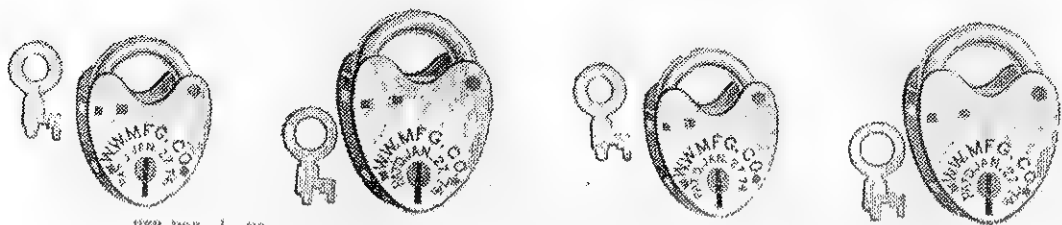
DOUBLE BITTED FLAT STEEL KEYS, ALL DIFFERENT

- | | | |
|----------|--|-----|
| No. 3028 | 2 1/2 inch, with One Key, Fancy Brass Bushed, Double Chamber. | ... |
| No. 3029 | 2 1/2 inch, with Two Keys, Fancy Brass Bushed, Double Chamber. | ... |
| No. 3030 | 2 1/2 inch, with Two Keys, Brass Bushed, Fancy Engraved Drop. | ... |

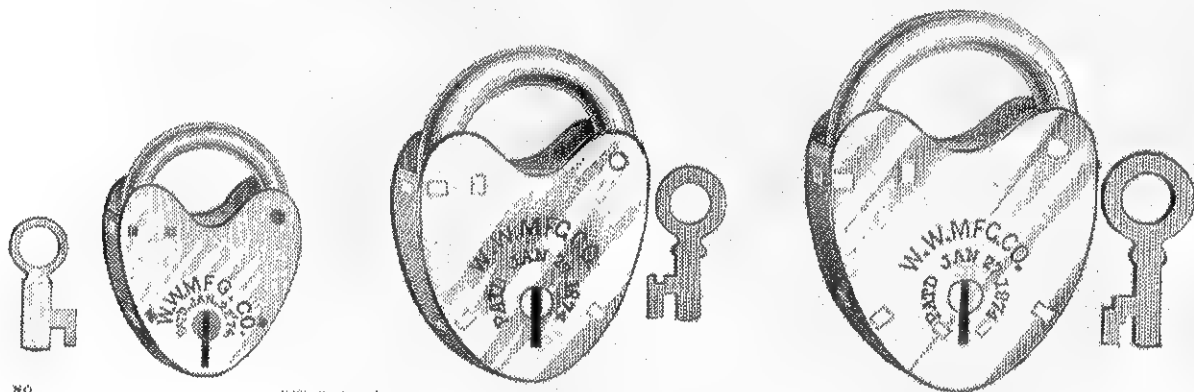
NICKEL PLATED & BRASS PADLOCKS.

SELF LOCKING, SPRING SHACKLES.

PATENT ROTATING KEY-HUB, CAST STEEL KEYS



NO.	PER DOZ.	NO.	PER DOZ.	NO.	PER DOZ.	NO.	PER DOZ.
106. 3/4 in., Plated, \$3 50		107. 3/4 in., Plated, \$3 50		100. 3/4 in., Brass, \$2 25		101. 3/4 in., Brass, \$2 25	

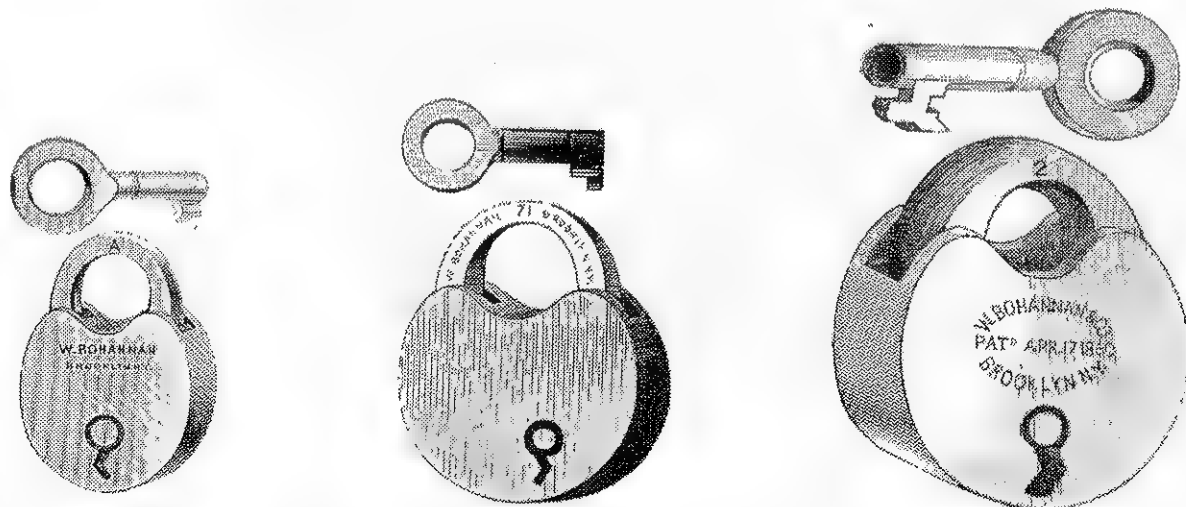


NO.	PER DOZ.	NO.	PER DOZ.	NO.	PER DOZ.
102. 1 inch, Brass, \$2 50		104. 1 1/4 inch, Brass, \$3 00		105. 1 1/2 inch, Brass, \$3 25	

FINELY FINISHED

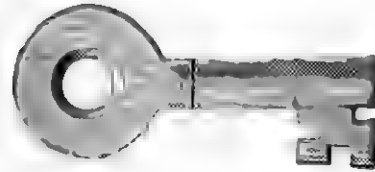
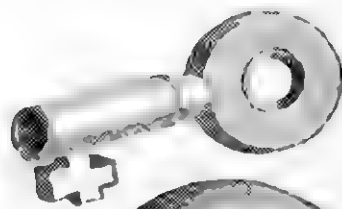
BRONZE METAL PADLOCKS.

SELF LOCKING, SPRING SHACKLES.

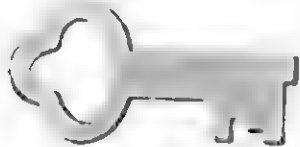


NO.	PER DOZ.	NO.	PER DOZ.	NO.	PER DOZ.
A. 1 inch, with 2 Keys, \$8 75		11. 1 1/4 inch, with 2 Keys, \$5 00		12. 1 1/2 inch, with 2 Keys, \$5 75	

FINELY FINISHED
BRONZE METAL PADLOCKS.
SELF LOCKING SPRING SHACKLES.



NO. 74. 2 inch, with Two Keys.....
Bronze Metal Keys, with One Turnover

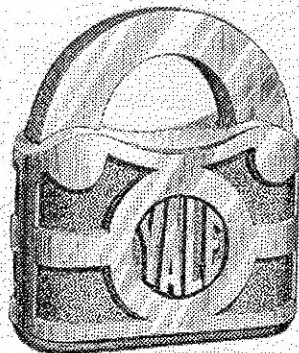
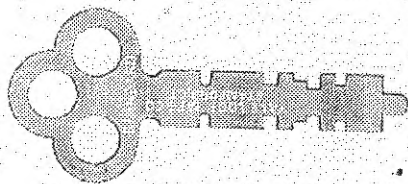


NO. 78. 2 1/2 inch, with Two Keys.....
Flat Steel Keys, with Two Turnovers.

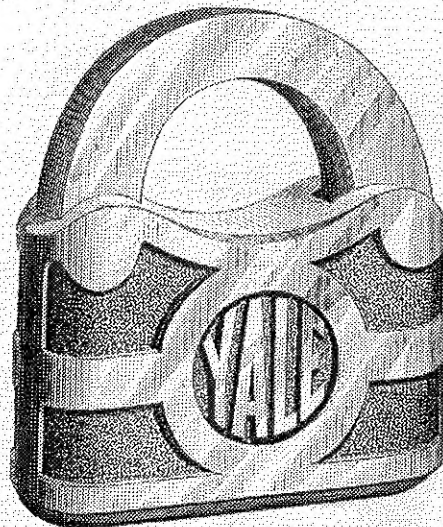
PER DOZ. NO. 79. 2 1/2 inch, with Two Keys.....
Bronze Metal Keys, with One Turnover.

"YALE" BRONZE METAL PADLOCKS.

SPRING SHACKLES.



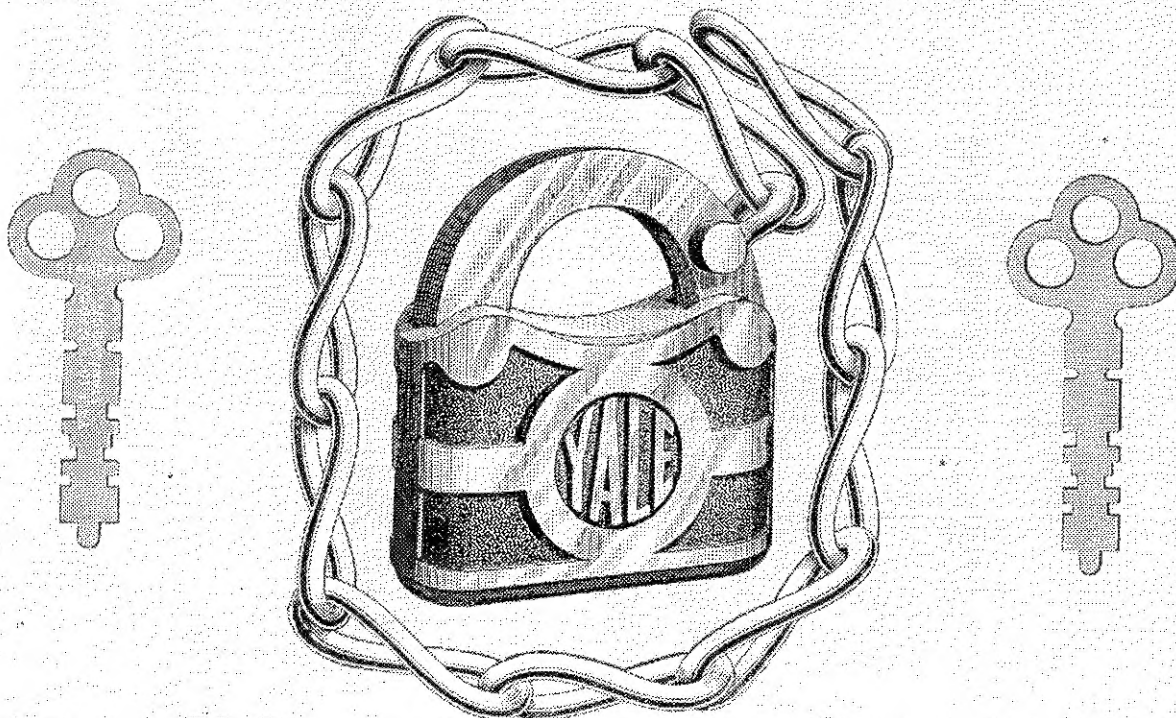
No. 833.



No. 863.

WITH TWO NICKEL PLATED STEEL KEYS.

No.		PER DOZ.
833.	1½ inch, Finished Bronze, Three Brass Tumblers.....	\$13 80
853.	2 inch, Finished Bronze, Four Brass Tumblers.....	17 40
863.	2½ inch, Finished Bronze, Four Brass Tumblers.....	19 20

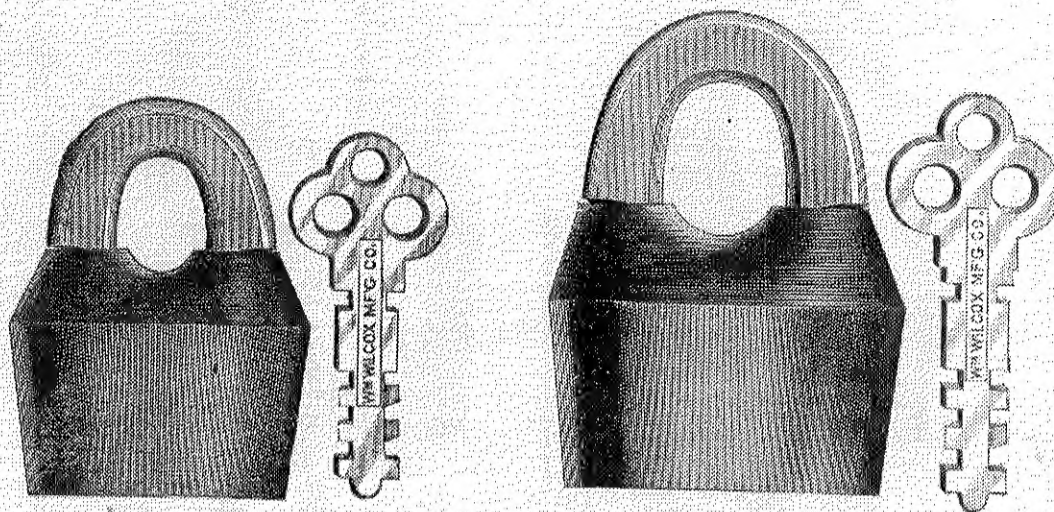


WITH TWO NICKEL PLATED STEEL KEYS.

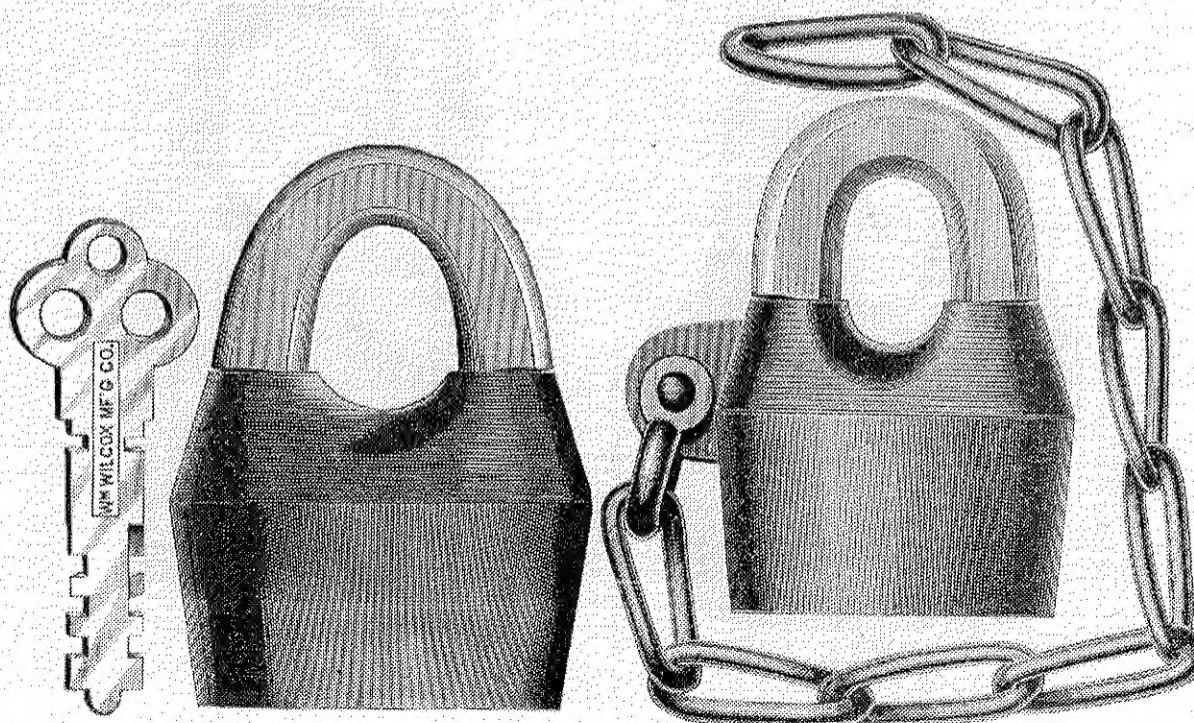
No.		PER DOZ.
8033.	2½ inch, Finished Bronze, Four Brass Tumblers, with Chain.....	\$21 00

SCANDINAVIAN PADLOCKS.

MALLEABLE IRON, JAPANNED



NO.	PER DOZ.	NO.	PER DOZ.
3050. With Two Nickeled Steel Keys..	\$4 50	3051. With Two Nickeled Steel Keys..	\$5 50

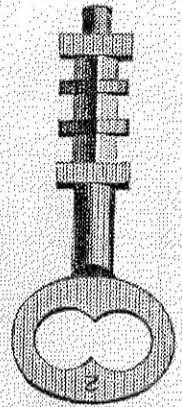
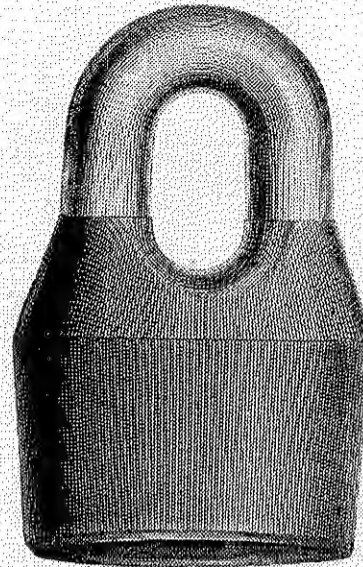
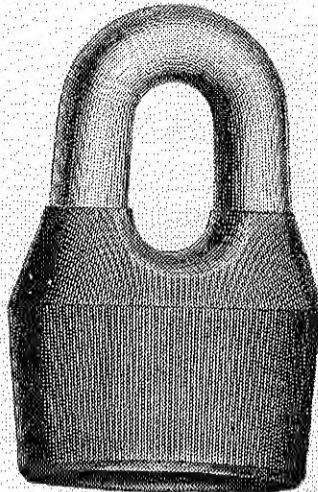
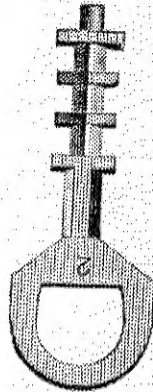


NO.	PER DOZ.	NO.	PER DOZ.
3052. With Two Nickeled Steel Keys..	\$6 50	3053. With Two Nickeled Steel Keys..	\$7 00

BUHL SONS & CO., DETROIT.

SCANDINAVIAN PADLOCKS.

MALLEABLE IRON, PAINTED RED.



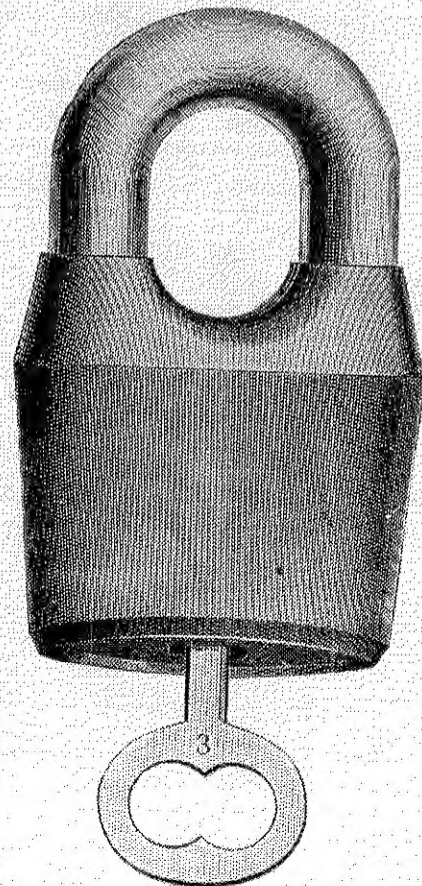
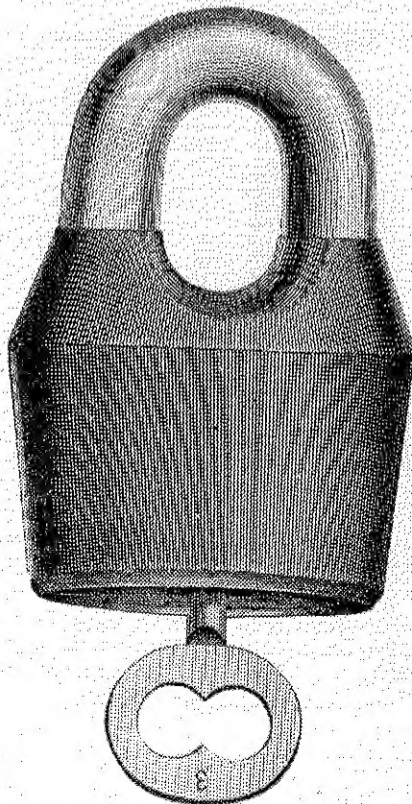
FAST SHACKLES

NO. 10. With Two Malleable Keys, Six Tumblers, Sixteen Changes.....

PER DOZ. \$9 00

NO. 11. With Two Malleable Keys, Six Tumblers, Sixteen Changes.....

PER DOZ. \$11 00



NO. 12. With Two Malleable Keys, Eight Tumblers, Sixteen Changes.....

PER DOZ. \$13 00

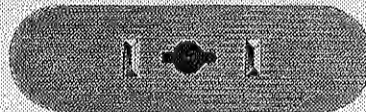
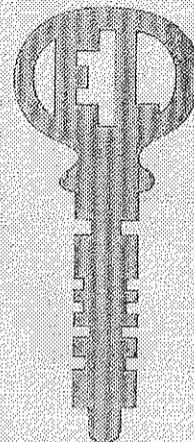
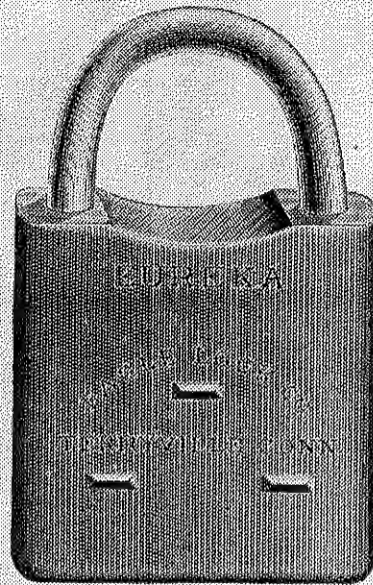
NO. 13. With Two Malleable Keys, Eight Tumblers, Sixteen Changes.....

PER DOZ. \$16 00

BUHL SONS & CO., DETROIT.

271

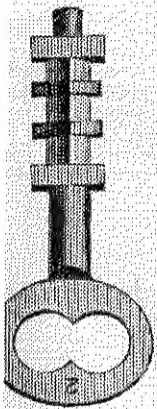
EUREKA PADLOCKS.



NO.
4023.

2 inch, Iron, Black Japanned, Self-Locking, Spring Shackle, Flat Steel Key.....

PER SET.
\$3 75



PER DOZ.
Tum-
..... \$11 00



PER DOZ.
Eight
..... \$16 00